

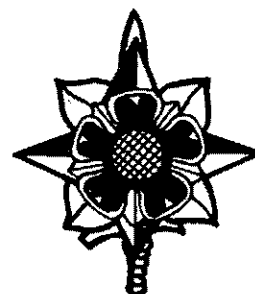
TB 381-5-22
TECHNICAL BULLETIN

FOREIGN MATERIEL CATALOG
FOMCAT VOL. 22

SURFACE TRANSPORT EQUIPMENT

CLASSES

1525 - AIR CUSHION VEHICLES
2320 - TRUCKS, SEMI-TRAILERS, AND TRAILERS
2353 - SNOW VEHICLES
2354 - AMPHIBIOUS TRUCKS AND TRACKED VEHICLES
2340 - MOTORCYCLES



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DEPARTMENT OF THE ARMY TECHNICAL BULLETIN

FOREIGN MATERIEL CATALOG

(FOMCAT)

5 October 1973

This Bulletin supersedes so much of TB 381-5-4,
1 November 1965, as pertains to Classes 1525,
2320, 2340, 2353, and 2354.

VOLUME 22: SURFACE TRANSPORT EQUIPMENT

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FOREIGN MATERIEL CATALOG
VOLUME 22. Surface Transport Equipment

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CATALOG OF FOREIGN MATERIEL (FOMCAT)

VOLUME 22. SURFACE TRANSPORT EQUIPMENT

PART ONE. INTRODUCTION

1. SCOPE

This catalog, published in 23 volumes, has been designed to include pertinent characteristics and illustrations of individual items of foreign materiel in use or under development. It is intended as a supporting publication for the intelligence community and the Department of the Army. It will be of particular value in providing technical characteristics of materiel mentioned in the National Intelligence Survey (NIS); as an adjunct of Defense Intelligence Agency collection guides; and as an aid in making comparative analyses of foreign and United States materiel.

2. RELIABILITY OF DATA

Reliability of the data in the catalog is indicated by the presence or absence of a question mark (?). If there is no question mark, the data are accepted as accurate. Data followed by a question mark are regarded as "possibly true" but requiring confirmation. A question mark standing alone means "unknown." The abbreviation N/A (not applicable) indicates that a particular characteristic does not apply to the item being described. For example, if a weapon is not equipped with a rear-type sight, the notation would be "rear-type sight N/A."

3. ARRANGEMENT OF THE CATALOG

Each of the 23 volumes is divided by group/class, which is subdivided by country of manufacture and into sections, each section representing a category or subcategory of materiel. (An item is shown only under the country in which it is manufactured and is not covered again under a country using it, unless the using country actually manufactures the same item.)

4. THE AUTOMATED FOMCAT SYSTEM

a. The catalog is published on the basis of information in an automated FOMCAT data bank, a comprehensive file of data on foreign materiel items maintained on removable mass data storage devices. This data bank was created from inputs from the four original FOMCAT volumes (on conventional ordnance materiel; atomic, biological, and chemical materiel; communications and electronics materiel; and general equipment and transport materiel) published in 1965 and 1966, and from the periodic changes to these four volumes published since then. Items included in the original volumes and changes were reviewed by experienced analysts before publication in new volumes.

b. Department of the Army intelligence research specialists maintain the data file continuously (except during the annual 6-week publication cycle) by entering new items of materiel and updating old items as appropriate. Thus, although the 23 volumes are republished annually, there is constant review and maintenance of the data file throughout the year.

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5. THE FOREIGN MATERIEL (FOM) NUMBER

a. The US Army classifies all foreign ground-forces materiel by the foreign materiel (FOM) number. All foreign materiel stock numbers bear the prefix "FOM-," followed by a series of separated numerical components. Assignment of FOM numbers to individual items of foreign materiel is carefully regulated; under no circumstances should an intelligence collector or other unauthorized person attempt to assign a new FOM number.

b. The first component of the FOM number represents the 4-digit group/class. The first two digits represent the Defense Supply Agency's Federal Supply Classification (FSC) System, and the last two digits identify the class division within the group. Only those FSC groups and classes anticipated as being involved in Army Intelligence interests are utilized for foreign materiel, and some group/classes have been modified in order to be applicable specifically to foreign materiel.

c. The second component represents country of manufacture. "0" indicates materiel of United States origin used by a foreign country or countries, which is not used as standard materiel by US forces. "1" represents materiel for which the country of origin is unidentified. For further differentiation, "1A" signifies that the country is completely unidentified; "1B" denotes the belief that the item was produced in one of the Communist Countries; and "1C" indicates the belief that the item is of Free World origin. The other numbers are used to identify specific countries.

d. The third component represents the initial subcategorization of the class, or, if there are no subdivisions of the class, the next sequential number assigned to the item of materiel.

e. The remaining components arrange the items of materiel in a logical order within the subclass and identify the assigned sequential number. Variations occur within the subclass in the number of numerical components required to pinpoint further the specific item. For example, a component may or may not require an indication of caliber, and a component may or may not be required to show a variation of the original design or model.

f. The following example details the composition of a typical FOM number:

FOM	-	2350	-	2	-	1	-	85	-	1
Component		1st		2d		3d		4th		5th

The first component after the FOM acronym, 2350 in the above example, places the item in the group/class for combat tanks and armored recovery vehicles.

The second component, 2, identifies the country which manufactured the item, in this case, USSR.

The third component, 1, places the item in the first sub/class of group/class 2350 (combat tanks).

The fourth component, 85, indicates caliber for conventional ordnance materiel such as tanks, infantry weapons, or artillery. For other items of materiel, the fifth component indicates the sequence of the item. For example, a 7 assigned in a FOM number for radio receivers would indicate that the item is the seventh receiver of this type to be given a FOM number.

The fifth component, 1, indicates that the item is the first variant of the basic category, or, if the fourth component indicates caliber, the fifth component reports sequence (and a seventh component is added, if necessary, to indicate a variant of a basic category).

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6. EXPLANATION OF FOMCAT INDEX AND PLACEMENT OF ITEMS IN THE VOLUME

a. For Volume 22, a special index was prepared to enhance usefulness and facilitate locating particular items in the index and in the volume itself.

b. The category Surface Transport Equipment is divided into 10 categories (cargo and personnel trucks; truck tractors; dump trucks; special purpose trucks; POL vehicles; trailers and semitrailers; special purpose trailers; wheeled amphibious cargo vehicles; tracked amphibious cargo vehicles; and air cushion vehicles).

c. The cargo and personnel trucks are further divided into light, medium, and heavy sub-categories. Within the categories subcategories, items are placed in ascending order by vehicle capacity or tonnage (i.e., 8-ton trucks, followed by 10-ton trucks, 12-ton trucks, etc.).

d. In the index, all Surface Transport Equipment for a particular country (including matériel items in any of the 10 categories and the subcategories) are included before any of the items for the next country in the numerical sequence. For example, all items for France (country number 17) are included before any items for Switzerland (country number 18).

e. In the volume itself, items are placed by Group/Class, by country (i.e., all items in Group/Class 1525 before any items in Group/Class 2320, and within Group/Class, by numerical order of country).

7. REFERENCE TABLES

The following reference tables are provided to assist the reading in using the catalog.

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Table 1

Cross-Reference: Old and New FOMCAT Volumes

The items covered in the four original FOMCAT volumes and changes are now contained in 22 volumes (plus one volume with secret information from the other publications). The four original FOMCAT volumes were:

- Volume I. Conventional Ordnance Materiel
- Volume II. Atomic, Biological, and Chemical Materiel
- Volume III. Communications and Electronics Materiel
- Volume IV. General Equipment and Transport Materiel

The following table indicates the distribution of items from the four original volumes to the present 23 volumes.

New Volume	Includes Items From Original Volumes:
1 (Infantry Weapons)	I
2 (Artillery and Fire Control)	I
3 (Armored Combat Vehicles)	I
4 (Ammunition)	I, II
5 (Explosives, Protechnics, and Demolition Materials)	I, II
6 (Fuzes)	I
7 (Chemical, Biological, and Radiological Equipment)	II
8 (Communication Equipment)	III
9 (Radar)	III
10 (Electronic and Electro-optical Equipment, Except Radar and Communications Equipment)	I, III
11 (Aerial Delivery Equipment)	IV
12 (Gap Crossing Equipment)	IV
13 (General Engineer Equipment)	I, IV
14 (Construction Equipment)	IV
15 (Power Generating Equipment)	II, IV
16 (Engines)	IV
17 (General Equipment)	IV
18 (Clothing and Individual Life Support Equipment)	II, IV
19 (Materials Handling Equipment)	IV
20 (Military Subsistence)	IV
21 (POL Handling Equipment)	IV
22 (Surface Transport Equipment)	IV
23 (Secret Supplement)	Secret material from other volumes

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Table 2. Conversion Formulas

Metric to U.S. units	U.S. to metric units
<u>L E N G T H</u>	
Millimeters x 0.03937 = inches Millimeters x 0.00328 = feet Millimeters x 0.00109 = yards Centimeters x 0.3937 = inches Centimeters x 0.0328 = feet Centimeters x 0.0109 = yards Meters x 39.37 = inches Meters x 3.281 = feet Meters x 1.094 = yards Meters x 0.00062 = miles Kilometers x 3280.84 = feet Kilometers x 1093.61 = yards Kilometers x 0.621 = miles	Inches x 25.40 = millimeters Feet x 304.80 = millimeters Yards x 914.40 = millimeters Inches x 2.54 = centimeters Feet x 30.48 = centimeters Yards x 91.44 = centimeters Inches x 0.025 = meters Feet x 0.305 = meters Yards x 0.914 = meters Miles x 1609.34 = meters Feet x 0.00030 = kilometers Yards x 0.00091 = kilometers Miles x 1.609 = kilometers
<u>A R E A</u>	
Square millimeters x 0.00155 = square inches Square centimeters x 0.155 = square inches Square meters x 1550.000 = square inches Square meters x 10.764 = square feet Square meters x 1.196 = square yards Square kilometers x 0.386 = square miles	Square inches x 645.16 = square millimeters Square inches x 6.452 = square centimeters Square inches x 0.00065 = square meters Square feet x 0.093 = square meters Square yards x 0.836 = square meters Square miles x 2.59 = square kilometers
<u>V O L U M E</u>	
Cubic centimeters x 0.061 = cubic inches Cubic meters x 35.31 = cubic feet Cubic meters x 1.308 = cubic yards Liters x 61.02 = cubic inches Liters x 0.035 = cubic feet	Cubic inches x 16.39 = cubic centimeters Cubic feet x 0.028 = cubic meters Cubic yards x 0.765 = cubic meters Cubic inches x 0.016 = liters Cubic feet x 28.32 = liters
<u>C A P A C I T Y</u>	
Milliliters x 0.271 = fluid drams Milliliters x 0.034 = fluid ounces Liters x 33.81 = fluid ounces Liters x 2.113 = pints Liters x 1.057 = quarts Liters x 0.264 = gallons	Fluid drams x 3.697 = milliliters Fluid ounces x 29.57 = milliliters Fluid ounces x 0.030 = liters Pints x 0.473 = liters Quarts x 0.946 = liters Gallons x 3.785 = liters

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Metric to U.S. units	U.S. to metric units
<u>W E I G H T</u>	
Milligrams x 0.015 = grains	Grains x 64.80 = milligrams
Grams x 15.43 = grains	Grains x 0.065 = grams
Grams x 0.035 = ounces	Ounces x 28.35 = grams
Grams x 0.0022 = pounds	Pounds x 453.59 = grams
Kilograms x 2.205 = pounds	Pounds x 0.454 = kilograms
Kilograms x 0.0011 = short tons	Short tons x 907.18 = kilograms
Metric tons x 2204.62 = pounds	Pounds x 0.00045 = metric tons
Metric tons x 1.102 = short tons	Short tons x 0.907 = metric tons
<u>V E L O C I T Y</u>	
Centimeters/second x 0.033 = feet/second	Feet/second x 30.48 = centimeters/second
Meters/second x 3.281 = feet/second	Feet/second x 0.305 = meters/second
Meters/second x 196.85 = feet/minute	Feet/minute x 0.0051 = meters/second
Kilometers/hour x 0.621 = miles/hour	Miles/hour x 1.609 = kilometers/hour
<u>P R E S S U R E</u>	
Atmospheres (physical) x 14.70 = pounds/square inch	Pounds/square inch x 0.068 = atmospheres (technical)
Kilograms per square centimeter x 14.223 = pounds per square inch	Pounds per square inch x 0.0703 = kilograms per square centimeter
<u>P O W E R</u>	
Metric horsepower x 0.9863 = U.S. horsepower	U.S. horsepower x 1.014 = metric horsepower
Kilogram-meters x 7.233 = foot-pounds	Foot-pounds x 0.138 = kilogram-meters
<u>F U E L C O N S U M P T I O N</u>	
$\frac{235}{\text{Liters/100 kilometers}}$ = miles per gallon	$\frac{235}{\text{Miles per gallon}}$ = liters/100 kilometers
<u>T E M P E R A T U R E</u>	
$\frac{9}{5}$ centigrade + 32 = degrees Fahrenheit	$\frac{5}{9}$ (Fahrenheit - 32) = degrees centigrade

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Table 3

Country Designators

A total of 122 countries have been assigned numbers under the Foreign Materiel (FOM) numbering system. These numerical country designators appear as the second component after the FOM acronym in the FOM number. For example, in FOM 2350-19-1-105-1, "19" identifies Sweden as the producing country for this item of materiel. Table 3 gives the assigned number for each of these 122 countries and the official abbreviation approved by Department of the Army or Defense Intelligence Agency which will be used in FOMCAT volumes in those few cases where it is necessary to abbreviate a country name. In those isolated cases (indicated by an asterisk in the table), where no official abbreviation was available, abbreviations were developed for purposes of the FOMCAT only.

<u>FOM No.</u>	<u>Name</u>	<u>Abbreviation (if required) used in FOMCAT</u>
73	Afghanistan	AF
51	Africa, South	SF
3	Albania	AL
83	Algeria	AG
36	Arab Republic of Egypt	EG
26	Argentina	AR
41	Australia	AS
27	Austria	AU
21	Belgium	BE
50	Bolivia	BL
56	Brazil	BR
4	Bulgaria	BU
46	Burma	BM
106	Burundi	BY
44	Cambodia	CB
100	Cameroon	CM
38	Canada	CA
111	Central African Republic	CT
104	Ceylon	CE
116	Chad	CD
63	Chile	CI
5	China, People's Republic of (including Tibet)	PRC
31	China, Republic of (including Pescadores Is)	TW
57	Colombia	CO
94	Congo (Brazzaville)	CF
77	Costa Rica	CS
79	Cuba	CU
101	Cyprus	CY
6	Czechoslovakia	CZ
99	Dahomey	DM
33	Denmark	DA
60	Dominican Republic	DR
84	Ecuador	EC
80	El Salvador	ES
66	Ethiopia	ET
13	Finland	FI
17	France (including Corsica)	FR
112	Gabon	GB
16	Germany, Federal Republic of (West Germany)	GE
15	Germany (Old)	OG*
7	German Democratic Republic (East Germany)	GC

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<u>FOM No.</u>	<u>Name</u>	<u>Abbreviation (if required) used in FOMCAT</u>
96	Ghana	GH
28	Greece	GR
59	Guatemala	GT
108	Guinea	GV
61	Haiti	HA
85	Honduras	HO
8	Hungary	HU
70	Iceland	IC
48	India (including Andaman Is, Nicobar Is, Laccidive Is)	IN
49	Indonesia	ID
53	Iran	IR
54	Iraq	IZ
69	Ireland	EI
37	Israel	IS
23	Italy	IT
86	Ivory Coast	IV
30	Japan	JA
55	Jordan	JO
103	Kenya	KE
10	Korea, People's Democratic Republic of (North Korea)	KN
22	Korea, Republic of (South Korea)	KS
43	Laos	LA
52	Lebanon	LE
71	Liberia	LI
74	Libya	LY
81	Lithuania	LN*
25	Luxembourg	LU
109	Madagascar (Malagasy Republic)	MA
92	Malawi	MI
78	Malaysia	MY
98	Mali	ML
117	Mauritania	MR
40	Mexico	MX
120	Mongolia	MG
87	Morocco	MO
121	Mozambique	MZ
95	Nepal	NP
29	Netherlands (Holland)	NL
88	New Zealand	NZ
62	Nicaragua	NU
110	Niger	NG
89	Nigeria	NI
20	Norway	NO
45	Pakistan (including Jammu and Kashmir)	PK
58	Panama	PN
64	Paraguay	PA
72	Peru	PE
68	Philippines	RP
11	Poland	LP
47	Portugal	PO
93	Republic of the Congo, Democratic (Leopoldville)	ROCL*

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<u>FOM</u> <u>No.</u>	<u>Name</u>	<u>Abbreviation</u> <u>(if required)</u> <u>used in FOMCAT</u>
12	Romania	RO
105	Rwanda	RW
76	Saudi Arabia	SA
97	Senegal	SG
113	Sierra Leone	SL
122	Singapore	SN
90	Somalia	SO
118	Southern Rhodesia	RH
24	Spain (including Balearic Is, Canary Is)	SP
82	Sudan	SU
19	Sweden	SW
18	Switzerland	SZ
32	Syria	SY
102	Tanzania (including Zanzibar and Pemba)	TZ
34	Thailand	TH
107	Togo	TO
67	Tunisia	TS
39	Turkey	TU
115	Uganda	UG
1A	Unidentified Country	UNCO*
1B	Unidentified Communist World Country	UCWC*
1C	Unidentified Free World Country	UFWC*
2	Union of Soviet Socialist Republics (Russia)	USSR*
35	United Kingdom	UK
0	United States (Obsolete, Commercial)	US*
114	Upper Volta	UV
65	Uruguay	UY
91	Venezuela	VE
9	Vietnam, Democratic Republic of (North Vietnam)	VN
42	Vietnam, Republic of (South Vietnam)	VS
75	Yemen	YE
14	Yugoslavia	YO
119	Zambia	ZA

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Table 4

Abbreviations

This table contains abbreviations frequently used in working with foreign documents dealing with general equipment and transport materiel, covered in FOMCAT volumes 11 through 22. Consult AR 310-50 (Authorized Abbreviations and Preivity Codes) and Military Standard 12C (Military Standard Abbreviations for use on Drawings, Specifications, Standards, and in Technical Documents) for abbreviations not found in this table.

? ----- unverified; estimated; unknown

-A-

ACFT ----- aircraft
 ACV ----- air-cushion vehicle
 ADF ----- automatic direction finder
 ALT ----- altitude
 APRX ----- approximately
 AS ----- air speed
 ASE ----- automatic stabilizing equipment
 AUTO ----- automatic
 AUX ----- auxiliary
 AVGAS ----- aviation gasoline
 AVIONICS ----- aviation electronics

-B-

BHP ----- brake horsepower
 BLC ----- boundary layer control

-C-

CBR ----- chemical, biological, and radiological
 C to C ----- center to center
 CG ----- center of gravity
 CYL ----- cylinder

-D-

DBHP ----- drawbar horsepower
 DIA ----- diameter
 DME ----- distance-measuring equipment

-E-

ESHP ----- equivalent shaft horsepower

-F-

FAI ----- Federation Aeronautique Internationale
 FOM ----- foreign materiel
 FPM, FT/MIN ----- feet per minute
 FT-LB ----- foot pound
 FWD/RVS ----- forward and reverse

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-G-

GAL ----- gallon
 GAS ----- gasoline
 GEM ----- ground effect machine
 GND ----- ground
 GPH ----- gallons per hour
 GYRO ----- gyroscope

-H-

HF ----- high frequency
 HOR ----- horizontal
 HP ----- horsepower
 HR ----- hour

-I-

IAS ----- indicated air speed
 IFF ----- identification friend or foe
 IFR ----- instrument flight rules
 ILS ----- instrument landing system
 INTERCOM ----- intercommunications

-J-

JATO ----- jet-assisted takeoff

-K-

KM/HR ----- kilometers per hour
 KT ----- knot
 KVA ----- kilovolt amperes
 KWE ----- electrical output (nuclear generators)

-L-

LB/HP ----- pounds per horsepower
 LBT ----- pounds of thrust

-M-

MAX ----- maximum
 MIN ----- minimum
 MK ----- Mark
 MPG ----- miles per gallon
 MPH ----- miles per hour
 MSL ----- mean sea level

-N-

NM ----- nautical miles
 NOR ----- normal
 NR ----- number

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-O-

OCT ----- octane
OHV ----- overhead valve

-P-

PROP ----- propeller
PSF ----- pounds per square foot
PSI ----- pounds per square inch

-R-

RAD ----- radius
RPM ----- revolutions per minute

-S-

SHP ----- shaft horsepower
SL ----- sea level
SPEC ----- specification
STOL ----- short takeoff and landing

-T-

T/O ----- takeoff

-U-

UHF ----- ultra high frequency

-V-

VAR ----- variable
VERT ----- vertical
VFR ----- visual flight rules
VHF ----- very high frequency
VTOL ----- vertical takeoff and landing

-W-

W/ ----- with
W/O ----- without

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Table 5

Definitions

Air-cushion Vehicle: A craft which operates in very close proximity to the earth's surface, sustained by a self-generated cushion of air, and able to make the land/water transition with no change in operating technique. Also called ground effect machine (GEM).

Airspeed: The speed of an aircraft relative to the air through which it moves; as opposed to groundspeed, the speed relative to the earth's surface.

Angle of Approach: The maximum angle of an incline into which a vehicle can move from a horizontal plane without interference; as for instance, from front bumpers.

Angle of Departure: The maximum angle of an incline from which a vehicle can move onto a horizontal plane without interference; as for instance, from rear bumpers.

Articulated Steering: The system of steering used by tracked or wheeled vehicles consisting of two or more powered units in which the turning maneuver is accomplished by yawing the units with respect to each other about a pivot system not located over an axle of either unit.

Articulated Vehicle: A tracked or wheeled vehicle consisting of two or more powered units.

Cruising Range: The maximum distance a vehicle can travel without refueling.

Curb Weight: Weight of fully equipped vehicle in operating condition, with fuel, lubricants, and water, but without crew or payload.

Damping: Process of effecting a continued decrease in the amplitude of vibration of an oscillating component, generally accomplished through some type of friction.

Drawbar Pull: The amount of tractive effort developed by a vehicle in excess of motion resistance (net tractive effort).

Fifth Wheel: Flat, round steel plate, swivel-mounted on the frame siderails at the rear of a truck tractor used to couple a semitrailer to it. Part of a fifth-wheel assembly.

Fifth-Wheel Assembly: A device designed for attaching a semitrailer to a truck tractor or dolly in such a way as to allow free rotation in a horizontal plane and yet prevent tipping.

Gross Weight: Weight of fully equipped vehicle in operating condition, with crew, full fuel tank, and rated payload.

Ground Effect: In air-cushion vehicle operation, the compressed air, between the vehicle and the earth's surface, which sustains the vehicle.

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Horsepower: A unit of power equal to a rate of 4560 meter-kilograms (33,000 foot-pounds) of work per minute, 76 meter-kilograms (500 foot-pounds) of work per second.

1. Brake horsepower--The horsepower that an engine fitted with all standard accessories delivers at the driving end of its crankshaft. Horsepower ratings supplied in the lists of technical characteristics are those of the producing countries, and often differ slightly from US horsepower. These differences are small, however, and can be ignored.

2. Equivalent shaft horsepower--Pounds of residual thrust (converted to horsepower) of a turboprop or shaft turbine engine combined with the engine's shaft horsepower.

3. Shaft horsepower--The horsepower which a turboprop or shaft turbine engine delivers to a propeller shaft or a rotor shaft.

Landing gear: The retractable support of a semitrailer.

Lunette: Towing ring of a trailer.

Payload: The maximum permissible load assigned by the manufacturer, excluding crew and fuel.

Pintle: Hook mounted on a road vehicle for towing purposes.

Wheelbase: For two-axle vehicles, the distance between the centers of the hubs of the front and rear wheels. For three-axle vehicles, the distance between the center of the front wheel hub and the center of the trunnion axle (the midpoint between the two rear axles).

Yaw: The angular displacement of a vehicle about an axis parallel to its normal (vertical) axis.

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PART TWO. CATALOG

INDEX OF MATERIEL ITEMS

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FOM NUMBER	COUNTRY	CLASS	RELEASABILITY	PAGE
<u>USSR</u>				
<u>TRUCKS, CARGO AND PERSONNEL: LIGHT</u>				
2320-24-32	USSR TRUCK UTILITY ½ TON, 4x4, GAZ(UAZ)-69	U		81
2320-24-81	USSR TRUCK, UTILITY ½ TON, 4x4 ZAZ-871	U		195
2320-24-95	USSR TRUCK, UTILITY, ½ TON, 4x4, UAZ-469	U		251
2320-24-96	USSR TRUCK, UTILITY, ½ TON, 4x4, ZAZ-969	U		255
2320-24-114	USSR TRUCK, ½ TON, 4x4, LIGHT, AIR DROPPABLE, M1964	U		327
2320-24-65	USSR TRUCK, CARGO ¾ TON, 4x4, UAZ-450D	U		135
2320-24-78	USSR TRUCK, CARGO, ¾ TON, 4x4, UAZ-452D	U		163
2320-24-44	USSR TRUCK, CARGO, 1-TON, 4x4, GAZ-62	U		85
2320-24-74-1	USSR TRUCK, CARGO, 1-TON, 4x2, UAZ-451DM	U		171
2320-24-51	USSR TRUCK, CARGO, 1½-TON, 4x2, GAZ-56	U		97
<u>TRUCKS, CARGO AND PERSONNEL: MEDIUM</u>				
2320-24-73	USSR TRUCK, CARGO, 2-TON, 4x4, GAZ-66	U		167
2320-24-52	USSR TRUCK CARGO 2½-TON, 4x2, GAZ 52-03	U		101
2320-24-57-1	USSR TRUCK, CARGO, 2½-TON, 6x6, ZIL-157K	U		109
2320-24-67	USSR TRUCK, CARGO, 3½-TON, 4x2, URAL 355M	U		139
2320-24-68	USSR TRUCK, CARGO, 3½-TON, 6x6, ZIL-131	U		143
2320-24-105	USSR TRUCK, CARGO, 3½-TON, 4x2, GAZ-SAZ 53B	U		291
2320-24-59-1	USSR TRUCK, CARGO, 4-TON, 4x2, ZIL-164A	U		127
2320-24-64	USSR TRUCK, CARGO, 4-TON, 4x4, MAZ-502	U		131
2320-24-87	USSR TRUCK, CARGO, 4-TON, 4x2, GAZ-53A	U		219
2320-24-79	USSR TRUCK, CARGO, 4-TON, 4x2, GAZ-53F	U		197
2320-24-59	USSR TRUCK, CARGO, 4½-TON, 4x2, ZIL-164	U		123
2320-24-69	USSR TRUCK, CARGO, 4½-TON, 6x6, URAL-375	U		147

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2320-2-4-69-1	USSR TRUCK, CARGO, 4½-TON, 6x6, URAL-375D	U		151
2320-2-4-80	USSR TRUCK, CARGO, 4½-TON, 4x4, MAZ 505	U		191
2320-2-4-58	USSR TRUCK, CARGO, 5-TON, 4x2, ZIL-130	U		115
2320-2-4-58-1	USSR TRUCK, CARGO, 5-TON, 4x2, LWB, ZIL-130G	U		119
2320-2-4-85	USSR TRUCK, CARGO, 5-TON, 6x6, ZIL-E-167	U		211
2320-2-4-72	USSR TRUCK, CARGO, 5-TON, 4x2, KAZ-505 (KOLKHIDA)	U		163

TRUCKS, CARGO AND PERSONNEL: HEAVY

2320-2-4-12	USSR TRUCK, CARGO, 7-TON, 4x2, MAZ-200	U		77
2320-2-4-53	USSR TRUCK, CARGO, 7½-TON, 6x6, KRAZ-214	U		105
2320-2-4-86	USSR TRUCK, CARGO, 7½-TON, 6x4, URAL-377	U		215
2320-2-4-76	USSR TRUCK, CARGO, 8-TON, 4x2, MAZ-500	U		175
2320-2-4-76-1	USSR TRUCK, CARGO, 8-TON, 4x2, MAZ-500A	U		179
2320-2-4-97	USSR TRUCK, CARGO, 8-TON, 6x4, ZIL-133	U		259
2320-2-4-103	USSR TRUCK, CARGO, 8-TON, 6x6, KRAZ-255B	U		283
2320-2-4-82	USSR TRUCK, CARGO, 10-TON, 8x8, ZIL-135	U		199
2320-2-4-71	USSR TRUCK, CARGO, 12-TON, 8x4, KRAZ-219	U		159
2320-2-4-119	USSR TRUCK, CARGO, 12-TON, 6x4, KRAZ-257	U		339
2320-2-4-109	USSR TRUCK, CARGO, 14-TON, 6x2, MAZ-516	U		307
2320-2-4-88	USSR TRUCK, CARGO, 14-TON, 8x4, MAZ-514	U		223
2320-2-4-84	USSR TRUCK, CARGO, 17-TON, 8x8, MAZ-543	U		207
2320-2-4-106	USSR TRUCK, CARGO, 24-TON, 8x6, NAMI-076 "YERMAK"	U		295

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2320-2-5-4	USSR TRUCK, TRACTOR, 4x2, MAZ-200V	U		343
2320-2-5-9	USSR TRUCK, TRACTOR, 4x2, GAZ-53P	U		355
2320-2-5-10	USSR TRUCK, TRACTOR, 4x2, ZIL-164AN	U		359
2320-2-5-11	USSR TRUCK, TRACTOR, 4x2, KAZ-505A	U		363

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2320-2-5-17	USSR TRUCK, TRACTOR, 4x2, KAZ-6088	U		383
2320-2-5-8	USSR TRUCK, TRACTOR, 4x4, GAZ-63D	U		347
2320-2-5-8	USSR TRUCK, TRACTOR, 6x4, KRAZ-221	U		351
2320-2-5-15	USSR TRUCK, TRACTOR, 6x4, ZIL 133V	U		375
2320-2-5-16	USSR TRUCK, TRACTOR, 6x4, KRAZ-258	U		379
2320-2-5-20	USSR TRUCK, TRACTOR, 6x6, ZIL-131V	U		391
2320-2-5-14	USSR TRUCK, TRACTOR, 8x8, MAZ-537	U		371
2320-2-5-18	USSR TRUCK, TRACTOR W/SEMITRAILER, 10x10, ZIL-137	U		387
<u>TRUCKS, DUMP</u>				
2320-2-4-47	USSR TRUCK, DUMP, 3.5-TON, 4x2, ZIL-585	U		93
2320-2-4-46	USSR TRUCK, DUMP, 6-TON, 4x2, MAZ-205	U		89
2320-2-4-101	USSR TRUCK, DUMP, 7-TON, 4x2, MODEL MAZ-503	U		275
2320-2-4-70	USSR TRUCK, DUMP, 10-TON, 6x4, KRAZ-222	U		155
2320-2-4-99	USSR TRUCK, DUMP, 20-TON, 4x4, MOAZ-522	U		267
2320-2-4-98	USSR TRUCK, DUMP, 27-TON, 4x2, BELAZ-540	U		263
2320-2-4-89	USSR TRUCK, DUMP, 40-TON, 4x2, BELAZ-548	U		227
<u>TRUCKS, SPECIAL PURPOSE</u>				
2320-2-7-1	USSR TRUCK, SPECIAL-PURPOSE, SINGLE-AXLE, MAZ-529	U		395
<u>POL VEHICLES</u>				
2320-2-4-112	USSR TRUCK, TANK, OIL, 4x2, 850 LITERS, MODEL MZ-51	U		319
2330-2-2-18	USSR TRAILER, TANK, POL, 1200 LITERS, PZ-1200	U		983
2320-2-4-107	USSR TRUCK, TANK, POL, 4x4, 1965 LITERS, TZ-63	U		299
2320-2-4-100	USSR TRUCK, TANK, & OIL, 6x6, 2100 LITERS, VMZ-ZIL-151	U		271
2320-2-4-113	USSR TRUCK, TANK, OIL, 4x2, 2100 LITERS, MZ-150	U		323
2320-2-4-118	USSR TRUCK, TANK, POL, 4x2, 2600 LITERS, ATS-26-355M	U		335
2320-2-4-93	USSR TRUCK, TANK, POL, 6x6, 3000 LITERS, ATZ-3-157	U		243

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2320-2-4-117	USSR TRUCK, TANK, POL, 4x2, 3800 LITERS, ATZ-3.8-130	U		331
2320-2-4-92	USSR TRUCK, TANK, POL, 6x6, 4000 LITERS, ATSM-4-157	U		239
2320-2-4-94	USSR TRUCK, TANK, POL, 4x2, 4000 LITERS, ATS-4-164	U		247
2320-2-4-108	USSR TRUCK, TANK, POL, 4x2, 4000 LITERS, TZ-150	U		303
2320-2-4-110	USSR TRUCK, TANK, POL, 4x2, 4000 LITERS, ATSM-4-150	U		311
2330-2-2-19	USSR TRAILER, TANK, POL, 4000 LITERS, PTS-4	U		339
2330-2-2-21	USSR TRAILER, TANK, POL, 4200 LITERS, PTS-4.2-754V	U		991
2320-2-4-90	USSR TRUCK, TANK, POL, 4x2, 7000-LITER, TZ-200	U		231
2320-2-4-91	USSR TRUCK, TANK, POL, 4x2, 8000 LITERS, ATS-8-200	U		235
2320-2-4-102	USSR TRUCK, POL, TRANSFER-PUMP STATION, 4x2, PSG-65/130	U		279
2320-2-4-104	USSR TRUCK, POL, TRANSFER-PUMP STATION, 4x2, PSG-160	U		287
2330-2-2-17	USSR SEMI/FULL TRAILER COMBINATION, TANK POL, 16,000 LITERS, TZ-16	U		979
<u>TRAILERS AND SEMITRAILERS</u>				
2330-2-1-34	USSR SEMITRAILER, VAN, CARGO, 1-TON, UAZ-752	U		935
2330-2-1-38	USSR SEMITRAILER, VAN, CARGO, 4-TON, PAZ-744	U		939
2330-2-1-7	USSR TRAILER, STAKE, CARGO, 5-TON, 2-AP-5	U		899
2330-2-1-4	USSR SEMITRAILER, STAKE, CARGO, 6-TON, PP-6	U		895
2330-2-1-27	USSR SEMITRAILER, VAN, CARGO, 7-TON ODAZ-784	U		907
2330-2-1-31	USSR SEMITRAILER, STAKE, CARGO, 7-TON, MMZ-504B	U		923
2330-2-1-25	USSR SEMITRAILER, VAN, CARGO, 10-TON, PPI-110A	U		903
2330-2-1-33	USSR SEMITRAILER, VAN, CARGO, 12-TON, ODAZ-832	U		931
2330-2-1-30	USSR SEMITRAILER, STAKE, CARGO, 12.5-TON, MAZ-5245B	U		919
2330-2-1-29	USSR SEMITRAILER, STAKE, CARGO, 14-TON, MAZ-5245	U		915
2330-2-1-28	USSR SEMITRAILER, VAN, CARGO, 22-TON, ODAZ-852	U		911

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2330-2-2-15	USSR	U		971
	SEMI-FULL TRAILER COMBINATION LOW-BED, 19.5-TON, CHMZAP-5204			
2330-2-2-8	USSR	U		943
	SEMITRAILER/FULL TRAILER COMB., LOW-BED, 20-TON, T-101			
2330-2-2-8	USSR	U		947
	SEMITRAILER/FULL TRAILER COMB., LOW-BED, 20 T-151A			
2330-2-2-11	USSR	U		955
	SEMI/FULL TRAILER COMB., LOW-BED, 20-TON, CHMZAP-5203V			
2330-2-2-14	USSR	U		967
	SEMI-FULL TRAILER COMB., LOW-BED, 30-TON, CHMZAP-5505			
2330-2-2-12	USSR	U		959
	TRAILER, FLAT BED, 40-TON, CHMZAP-5208			
2330-2-2-13	USSR	U		963
	TRAILER, LOW-BED, 60-TON, CHMZAP-5212			
2330-2-2-16	USSR	U		975
	TRAILER, LOW-BED, 120-TON, CHMZAP-5530			
2330-2-2-10	USSR	U		951
	SEMITRAILER/FULL TRAILER COMB., LOW-BED, ZPT-40-206			
<u>AMPHIBIOUS CARGO VEHICLES, WHEELED</u>				
2354-2-2-7	USSR	U		1137
	TRACKED TRANSPORTER GT-SM/GAZ-71			
2353-2-3-7	USSR	U		1063
	AMPHIBIOUS AEROSLED, OL-09			
2353-2-3-8	USSR	U		1059
	AEROSLED, CARRIER, SKI-MOUNTED, KA 30			
2353-2-3-2	USSR	U		1055
	AEROSLED, CARRIER, SKI-MOUNTED, NKL-16			
2353-2-2-1	USSR	U		1051
	SNOW VEHICLE, CARRIER, 8x8, URAGAN-8			
2320-2-4-83	USSR	U		203
	PRIME MOVER, 8x8, MAZ-535A			
<u>AMPHIBIOUS CARGO VEHICLES, TRACKED</u>				
2353-2-1-6	USSR	U		1043
	SNOW VEHICLE, CARGO & PERSONNEL CARRIER, TRACKED, AMPHIBIOUS, PINGVIN			
2353-2-1-1	USSR	U		1039
	SNOW VEHICLE, CARRIER, TRACKED, V-1, VITYAZ (CHAMPION)			
2353-2-1-7	USSR	U		1047
	SNOW VEHICLE, CARRIER, TRACKED, UTILITY			
2353-2-4-1	USSR	U		1067
	SNOW VEHICLE GPI-63			
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1525-2-1-2	USSR	U		1
	AIR CUSHION VEHICLE, RADUGA			
1525-2-1-3	USSR	U		5
	AIR CUSHION VEHICLE, "SOMOROVICH"			
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1525-2-1-6	USSR AIR CUSHION VEHICLE "AIST" (U)	U		17
<u>BULGARIA</u>				
2320-4-4-1	BULGARIA TRUCK, CARGO, 4-TON, 4x2, "MADARA"	U		399
<u>PEOPLE'S REPUBLIC OF CHINA</u>				
<u>TRUCKS, CARGO AND PERSONNEL: LIGHT</u>				
2320-5-4-4	PRC TRUCK, UTILITY 1/2-TON, 4x4, BJ-212, OVERLANDER	U		407
<u>TRUCKS, CARGO AND PERSONNEL: MEDIUM</u>				
2320-5-4-7	PRC TRUCK, CARGO, 2 1/2-TON, 6x6, CA 30	U		415
2320-5-4-1	PRC TRUCK, CARGO, 3 1/2-TON, 4x2, CA-10 LIBERATION	U		403
2320-5-4-6	PRC TRUCK, CARGO, 4-TON, 4x2, "CHIAO-T'UNG"	U		411
<u>CZECHOSLOVAKIA</u>				
<u>TRUCKS, CARGO AND PERSONNEL: LIGHT</u>				
2320-6-4-9	CZECHOSLOVAKIA TRUCK, CARGO, 1 1/2-TON, 4x4, TATRA 805	U		431
<u>TRUCKS, CARGO AND PERSONNEL: MEDIUM</u>				
2320-6-4-11	CZECHOSLOVAKIA TRUCK, CARGO, 3 1/2-TON, 6x6, PRAGA V3S	U		435
2320-6-4-20	CZECHOSLOVAKIA TRUCK, CARGO, 5 1/2-TON, 4x2, PRAGA S5T	U		443
2320-6-5-2	CZECHOSLOVAKIA TRUCK, PRIME MOVER, 6-TON, 6x6, TATRA 141	U		471
2320-6-5-3	CZECHOSLOVAKIA TRUCK, BALLAST, 6x6, TATRA 813 T-3	U		475
<u>TRUCKS, CARGO AND PERSONNEL: HEAVY</u>				
2320-6-4-8	CZECHOSLOVAKIA TRUCK, CARGO, 7-TON, 4x4, TATRA 138	U		427
2320-6-4-4	CZECHOSLOVAKIA TRUCK, CARGO, 8-TON, 4x2, SKODA 706R	U		419
2320-6-4-7	CZECHOSLOVAKIA TRUCK, CARGO, 10-TON, 6x6, TATRA 111	U		423
2320-6-4-22	CZECHOSLOVAKIA TRUCK, CARGO, 10-TON, 4x2, SKODA 706 RT	U		447
2320-6-4-17	CZECHOSLOVAKIA TRUCK, CARGO, 12-TON, 6x6, TATRA 138	U		439
2320-6-4-27	CZECHOSLOVAKIA TRUCK, CARGO, 14-TON, 8x8, TATRA 813 S-1 (COLOSSUS)	U		451
<u>TRUCKS, DUMP</u>				
2320-6-4-30	CZECHOSLOVAKIA TRUCK, DUMP, 10-TON, 6x6, TATRA 111 S	U		463
2320-6-4-31	CZECHOSLOVAKIA TRUCK, DUMP, 13-TON TATRA T 138 S3 M	U		467

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2320-6-4-28	CZECHOSLOVAKIA TRUCK, TANK, POL, 6x6, 6800 LITERS, TATRA 111C	U		455
2320-6-4-29	CZECHOSLOVAKIA TRUCK, TANK, POL, 6x4, 12,000 LITERS, T 138 C-12	U		459
2330-6-2-2	CZECHOSLOVAKIA TRAILER, TANK, POL, 12,000 LITERS, CP-12	U		999
2330-6-2-1	CZECHOSLOVAKIA SEMITRAILER, TANK, POL, 23,650 LITERS, CN 22	U		995
<u>EAST GERMANY</u>				
2320-7-4-20	EAST GERMANY TRUCK, UTILITY, 1/2-TON, 4x2, TRABANT 601	U		527
2320-7-4-9	EAST GERMANY TRUCK, UTILITY, 1/2-TON, 4x4, P2M	U		499
2320-7-4-13	EAST GERMANY TRUCK, UTILITY, 1/2-TON, 4x4, P-3	U		511
2320-7-4-4	EAST GERMANY TRUCK, CARGO, 2-TON, 4x2 and 4x4, ROBUR GARANT 30K	U		491
2320-7-4-11	EAST GERMANY TRUCK, CARGO, 2 1/2-TON, 4x4, ROBUR LO 1800 A	U		507
2320-7-4-1	EAST GERMANY TRUCK, CARGO, 3 1/2-TON, 6x6, G-5	U		483
2320-7-4-5	EAST GERMANY TRUCK, CARGO, 4-TON, 4x2, H3A	U		495
2320-7-4-10	EAST GERMANY TRUCK, CARGO, 4-TON, 4x2, SACHSENRING S 4000-1	U		503
2320-7-4-16	EAST GERMANY TRUCK, CARGO, 5-TON, 4x2, W50L	U		515
2320-7-4-3	EAST GERMANY TRUCK, CARGO, 6 1/2-TON, 4x2, H-6	U		487
2320-7-4-18	EAST GERMANY TRUCK, DUMP, 4x2, W 50 LK	U		519
2320-7-4-19	EAST GERMANY TRUCK, DUMP, 5-TON, 4x4, W50 LAK	U		523
2320-7-1-2	EAST GERMANY TRUCK, AMBULANCE, 4x4, LO 1800A	U		479
<u>HUNGARY</u>				
2320-8-4-1	HUNGARY TRUCK, CARGO, 3 1/2-TON, 4x2, GSEPEL D-350	U		531
2320-8-4-6	HUNGARY TRUCK, CARGO, 7-TON, 4x2, CSEPEL D-700	U		535
2320-8-4-10	HUNGARY TRUCK, CARGO, 5-TON, 4x2, CSEPEL D-450	U		539
2320-8-5-2	HUNGARY TRUCK, TRACTOR, 4x2, CSEPEL D705N	U		543
<u>NORTH KOREA</u>				
2320-10-4-2	NORTH KOREA TRUCK, CARGO, 2 1/2-TON, 4x2, VICTORY-58	U		547
<u>POLAND</u>				
<u>TRUCKS, CARGO AND PERSONNEL: MEDIUM</u>				
2320-11-4-7	POLAND TRUCK, CARGO, 2 1/2-TON, 6x6, STAR 66	U		567

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2320-11-4-1	POLAND TRUCK, CARGO, 4-TON, 4x2, STAR 20	U		551
2320-11-4-4	POLAND TRUCK, CARGO, 4-TON, 4x2, STAR 25	U		555
2320-11-4-6	POLAND TRUCK, CARGO, 4-TON, 4x2, STAR 21	U		563
2320-11-4-8	POLAND TRUCK, CARGO, 4-TON, 4x2, STAR 27	U		571
2320-11-4-15	POLAND TRUCK, CARGO, 5-TON, 4x2, STAR 29	U		587
2320-11-4-11	POLAND TRUCK, CARGO, 6-TON, 4x2, STAR 200	U		583
2320-11-4-5	POLAND TRUCK, CARGO, 8-TON, 4x2, ZUBR A80	U		559
2320-11-4-16	POLAND TRUCK, CARGO, 8-TON, 4x2, JELCZ 315	U		591
2320-11-4-17	POLAND TRUCK, CARGO, 10-TON, 6x2, JELCZ-316	U		595
<u>TRUCKS, DUMP</u>				
2320-11-4-10	POLAND TRUCK, DUMP, 2½-TON, 6x6, STAR 66	U		579
<u>TRUCKS, SPECIAL PURPOSE</u>				
2320-11-6-1	POLAND TRUCK, MEDIUM MOBILE WORKSHOP, TYPE 574	U		599
<u>ROMANIA</u>				
2320-12-4-6	ROMANIA TRUCK, UTILITY, ½-TON, 4x4, M-461	U		611
2320-12-4-2	ROMANIA TRUCK, CARGO, 3-TON, 4x2, SR-131, CARPATI	U		603
2320-12-4-4	ROMANIA TRUCK, CARGO, 5-TON, 4x2, SR-113 BUCEGI	U		607
<u>FINLAND</u>				
2320-13-4-1	FINLAND TRUCK, CARGO, 3-TON, 4x4, SISU KB-45 SV/3400	U		615
<u>YUGOSLAVIA</u>				
2320-14-4-1	YUGOSLAVIA TRUCK, UTILITY, ½-TON, 4x4, ZASTAVA KAMPAGNOLA, AR-51	U		619
<u>WEST GERMANY</u>				
<u>TRUCKS, CARGO AND PERSONNEL: LIGHT</u>				
2320-16-4-20	WEST GERMANY TRUCK, UTILITY, ½-TON, 4x4, MUNGA F91/4	U		659
2320-16-4-34	WEST GERMANY TRUCK, UTILITY, ½-TON, 4x2, VW 181 "KURIER"	U		699
2320-16-4-21	WEST GERMANY TRUCK, CARGO, 1-TON, 4x4	U		663
2320-16-4-22	WEST GERMANY TRUCK, COMMAND-TYPE, 1-TON, 4x4	U		667

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2320-16-4-1	WEST GERMANY TRUCK, CARGO, 1½-TON, 4x4, L 28	U		623
2320-16-4-16	WEST GERMANY TRUCK, CARGO, 1½-TON, 4x4, UNIMOG-S404	U		651
<u>TRUCKS, CARGO AND PERSONNEL: MEDIUM</u>				
2320-16-4-6	WEST GERMANY TRUCK, CARGO, 2½-TON, 4x4, FK3500 (CONVENTIONAL CAB)	U		635
2320-16-4-36	WEST GERMANY TRUCK, CARGO, 2½-TON, 4x4, UNIMOG 416	U		707
2320-16-4-23	WEST GERMANY TRUCK, CARGO, 3-TON, 4x4, G 398SAM	U		671
2320-16-4-32	WEST GERMANY TRUCK, CARGO, 3-TON, 4x4, MERCEDES-BENZ LA911 (L-A328)	U		691
2320-16-4-33	WEST GERMANY TRUCK, CARGO, 3-TON, 4x2, MERCEDES-BENZ, LP608	U		695
2320-16-4-4	WEST GERMANY TRUCK, CARGO, 4-TON, 6x6, LG 3500	U		631
2320-16-4-8	WEST GERMANY TRUCK, CARGO, 5-TON, 4x4, LS7	U		639
2320-16-4-9	WEST GERMANY TRUCK, CARGO, 5-TON, 4x4, HS 115	U		643
2320-16-4-12	WEST GERMANY TRUCK, CARGO, 5-TON, 4x4, L312	U		647
2320-16-4-24	WEST GERMANY TRUCK, CARGO, 5-TON, 4x4, LG 315/46	U		675
2320-16-4-25	WEST GERMANY TRUCK, CARGO, 5-TON, 4x4, 630L2A	U		679
2320-16-4-37	WEST GERMANY TRUCK, CARGO, 5-TON, 4x4, MERCUR 120 HD-AL (KHD)	U		711
<u>TRUCKS, CARGO AND PERSONNEL: HEAVY</u>				
2320-16-4-28	WEST GERMANY TRUCK, CARGO, 7-TON, 4x4, S/A 7500 JUPITER	U		683
2320-16-4-31	WEST GERMANY TRUCK, CARGO, 10-TON, 6x6 LK 908A	U		687
2320-16-4-18	WEST GERMANY TRUCK, CARGO, 8-TON, 4x4, DRACHE II	U		655
<u>TRUCK TRACTORS</u>				
2320-16-5-3	WEST GERMANY TRUCK, TRACTOR, 1½-TON, 4x4, UNIMOG	U		715
2320-16-5-6	WEST GERMANY TRUCK, TRACTOR, 5-TON, 4x4, 630 L 2A	U		727
2320-16-5-4	WEST GERMANY TRUCK, TRACTOR, 7-TON, 4x4, JUPITER	U		719
2320-16-5-5	WEST GERMANY TRUCK, TRACTOR, 15-TON, 6x6, L 912/SH	U		723
2320-16-5-8	WEST GERMANY TRUCK, TRACTOR, 4x2, MAGIRUS 150D14 FB	U		735
2320-16-5-7	WEST GERMANY TRUCK, HEAVY PRIME MOVER, 6x6, FAUN, L 1212/452A	U		731

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FORM NUMBER	COUNTRY	CLASS	RELEASABILITY	PAGE
<u>TRUCKS, SPECIAL PURPOSE</u>				
2320-16-7-1-1	WEST GERMANY TRUCK, MULTIPURPOSE, ¾-TON, 4x2, KRAKA 640	U		739
2320-16-7-2	WEST GERMANY TRUCK, CARGO, 2-TON, 6x6, FLEXMOBIL	U		743
<u>POL VEHICLES</u>				
2320-16-4-35	WEST GERMANY TRUCK, TANK, POL, 6x6, 12,000 LITERS, FAUN L908/ATW	U		703
<u>TRAILERS AND SEMI-TRAILERS</u>				
2330-16-2-3	WEST GERMANY SEMITRAILER/FULL TRAILER COMB., TANK, POL, 21,000 LITERS, AF-200	U		1003
<u>MOTORCYCLES</u>				
2340-16-1-5	WEST GERMANY MOTORCYCLE, SOLO, HERCULES, K 125 BW (MILITARY)	U		1027
<u>FRANCE</u>				
<u>TRUCKS, CARGO AND PERSONNEL: LIGHT</u>				
2320-17-1-1	FRANCE TRUCK, AMBULANCE, 4x4, T3, SAVIEM-RENAULT	U		747
2320-17-4-38	FRANCE TRUCK, UTILITY, ¾-TON, 4x4, M-201	U		787
2320-17-4-40	FRANCE TRUCK, UTILITY, ¾-TON, 4x4, BERLINE RENAULT 4	U		795
2320-17-4-37	FRANCE TRUCK, UTILITY, ¾-TON, 6x4 (GRISON)	U		783
2320-17-4-2	FRANCE TRUCK, UTILITY, ¾-TON, 4x4, RENAULT	U		827
2320-17-4-41	FRANCE TRUCK, CARGO, 1-TON, 4x4, TP3 SAVIEM-RENAULT	U		799
2320-17-4-42	FRANCE TRUCK, UTILITY, 1½-TON, 4x4, US 100 BISON	U		803
2320-17-4-33	FRANCE TRUCK, CARGO, 1½-TON, 4x4, SIMCA-MARMON, MH600BS	U		767
<u>TRUCKS, CARGO AND PERSONNEL: MEDIUM</u>				
2320-17-4-5	FRANCE TRUCK, CARGO, 3-TON, 6x6, SIMCA(FORD) (SWB)	U		755
2320-17-4-35	FRANCE TRUCK, RECOVERY, 3-TON, 6x6, BERLIET, GBC 8KT	U		775
2320-17-4-39	FRANCE TRUCK, CARGO, 3-TON, 4x4, SIMCA F594 WML	U		791
2320-17-4-28	FRANCE TRUCK, CARGO, 3½-TON, 4x4, AHM2 RENAULT	U		763
2320-17-4-34	FRANCE TRUCK, CARGO, 4-TON, 6x6, BERLIET, GBC 8KT	U		771
2320-17-4-6	FRANCE TRUCK, CARGO, 6½-TON, 6x6, BERLIET G.B.U. 15	U		759
<u>TRUCK TRACTORS</u>				
2320-17-5-4	FRANCE TRUCK TRACTOR, 6-TON, 6x6, T.B.U.-15	U		815
2320-17-5-3	FRANCE TRUCK, TRACTOR, 6x6, BERLIET, TBC 8KT	U		811

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FOM NUMBER	COUNTRY	CLASS	RELEASABILITY	PAGE
2320-17-5-1	FRANCE TRUCK, TRACTOR, 10-TON, 8x8, T12 (BERLIET)	U		807
<u>POL VEHICLES</u>				
2320-17-4-36	FRANCE TRUCK, TANK, POL, 4x2, 10,000 LITERS, JL29	U		779
2330-17-2-1	FRANCE SEMITRAILER, TANK, POL, 29,900 LITERS, JM 200 TPE	U		1011
<u>TRAILERS AND SEMITRAILERS</u>				
2330-17-1-1	FRANCE SEMITRAILER, 17-TON, CODER, GM-2E-1750	U		1007
<u>SNOW VEHICLES</u>				
2353-17-1-1	FRANCE SNOW VEHICLE, CARRIER TRACKED, 542 ACF (ALMAT)	U		1071
<u>AIR CUSHION VEHICLES</u>				
1525-17-1-1	FRANCE AIR CUSHION VEHICLE N.300	U		21
1525-17-1-2	FRANCE AIR CUSHION VEHICLE N.102	U		25
<u>SWITZERLAND</u>				
2320-18-4-5	SWITZERLAND TRUCK, CARGO, 5-TON, 4x4, 4 CM(SAURER-BERNA)	U		819
<u>SWEDEN</u>				
2320-19-4-7	SWEDEN TRUCK, UTILITY ½-TON, 4x4, L3314 VOLVO(LAPLANDER)	U		831
2320-19-4-8	SWEDEN TRUCK, UTILITY, 1-TON, 4x4, VOLVO 4140	U		835
2320-19-4-2	SWEDEN TRUCK, CARGO, 1½-TON, 6x6, L 2204 VOLVO	U		823
2320-19-4-3	SWEDEN TRUCK, CARGO, 3-TON, 6x6, L3154 VOLVO	U		827
2320-19-4-10	SWEDEN TRUCK, CARGO, 4½-TON, 4x4, SCANIA LBA 11040	U		843
2320-19-4-9	SWEDEN TRUCK, CARGO, 6-TON, 6x6, SCANIA LBA 110534	U		839
2353-19-1-1	SWEDEN SNOW VEH., CARRIER, TRACKED, AMP, ARTICULATED, MD BV202A, SANDVAGN	U		1075
2353-19-1-2-2	SWEDEN SNOW VEHICLE, CARRIER, TRACKED, SNOW-TRAC, ST4	U		1079
<u>ITALY</u>				
<u>TRUCKS, CARGO AND PERSONNEL: LIGHT</u>				
2320-23-4-9	ITALY TRUCK, UTILITY, ½-TON, 4x4, ALFA ROMEO AR51	U		847
<u>AMPHIBIOUS CARGO VEHICLES, WHEELED</u>				
2354-23-1-1	ITALY TRUCK, AMPHIBIOUS, 2-TON, 4x4, FIAT 6610	U		1141
<u>AUSTRIA</u>				
2320-27-4-6	AUSTRIA TRUCK, CARGO 3½-TON, 6x6, STEYR 680M3	U		855

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ITEM NUMBER	COUNTRY	CLASS	RELEASABILITY	PAGE
2320-27-4-5	AUSTRIA TRUCK, TANK, POL, 6x6, 9462 LITERS, LAFD-145/2	U		851
<u>JAPAN</u>				
<u>TRUCKS, CARGO AND PERSONNEL: LIGHT</u>				
2320-30-4-29	JAPAN TRUCK, UTILITY, 1½-TON, 4x4, NISSAN 4W73	U		859
<u>POL VEHICLES</u>				
2320-30-4-33	JAPAN TRUCK, TANK, POL, 4x2, 10,000-LITERS, TC81L	U		867
2320-30-4-32	JAPAN TRUCK, TANK, POL, 6x2, 13,600 LITERS, HINO TC 311	U		863
2330-30-2-2	JAPAN SEMITRAILER, TANK, POL, 10,000-LITERS, MODEL ?	U		1019
2330-30-2-1	JAPAN SEMITRAILER, TANK, POL, 15,000 LITERS, TS-57TF-4	U		1015
<u>MOTORCYCLES</u>				
2340-30-1-1	JAPAN MOTORCYCLE, SOLO, HONDA, CB 350 "DREAM"	U		1031
<u>SNOW VEHICLE</u>				
2353-30-1-1	JAPAN SNOW VEHICLE, CARRIER, TRACKED, KC40-3	U		1083
2353-30-1-2	JAPAN SNOW VEHICLE, CARRIER, TRACKED, KC50-2	U		1087
2353-30-1-3-1	JAPAN SNOW VEHICLE, CARRIER, TRACKED, KC-20-35	U		1091
<u>AIR CUSHION VEHICLES</u>				
1525-30-1-1	JAPAN AIR CUSHION VEHICLE, MV-PP5	U		29
<u>UNITED KINGDOM</u>				
<u>TRUCKS, CARGO AND PERSONNEL: LIGHT</u>				
2320-35-4-46	UK TRUCK, CARGO, 1-TON, 4x4, 101-INCH WHEELBASE ROVER	U		879
2330-35-1-10	UK TRAILER, 1-TON, 2-WHEEL POWERED AXLE MK II	U		1023
<u>TRUCKS, CARGO AND PERSONNEL: HEAVY</u>				
2320-35-4-19	UK TRUCK, CARGO, 10-TON, 6x6, MED/HVY. A.E.C. MK I	U		871
<u>POL VEHICLES</u>				
2320-35-4-45	UK TRUCK, TANK, POL, 4x4, 2730 LITERS, BEDFORD RL	U		875
2320-35-4-48	UK TRUCK, TANK, POL, 4x2, 4550 LITERS, BEDFORD TKFL	U		887
2320-35-4-47	UK TRUCK, TANK, POL, 4x2, 10,000 LITERS, AEC MERCURY	U		883
<u>MOTORCYCLES</u>				
2340-35-1-3	UK MOTORCYCLE, SOLO, GS, 350 CC BSA (B.40-MK1)	U		1035

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FOM NUMBER	COUNTRY	CLASS	PAGE
<u>AIR CUSHION VEHICLES</u>			
1525-35-1-11	UK AIR CUSHION VEHICLE ENFIELD EM.2	U	33
1525-35-1-1	UK AIR CUSHION VEHICLE, BH.7	U	37
1525-35-1-2	UK AIR CUSHION VEHICLE SR.N5	U	41
1525-35-1-3	UK AIR CUSHION VEHICLE, SR.N6	U	45
1525-35-1-4	UK AIR CUSHION VEHICLE, CUSHION CRAFT CC-7	U	49
1525-35-1-6	UK AIR CUSHION VEHICLE SR.N6 MK5	U	53
1525-35-1-7	UK AIR CUSHION VEHICLE SR.N4	U	57
1525-35-1-9	UK AIR CUSHION VEHICLE VT-1	U	61
1525-35-1-10	UK AIR CUSHION VEHICLE, HOVERTRAILER, MODEL 101	U	65
<u>CANADA</u>			
2353-38-1-3	CANADA SNOW VEHICLE, CARRIER, HALF-TRACKED W/SKIS, R18 BOMBARDIER	U	1095
2353-38-1-4	CANADA SNOW VEHICLE, CARRIER, TRACKED MK 3 PENGUIN	U	1099
2353-38-1-6	CANADA SNOW VEHICLE, CARRIER, TRACKED, AMPHIBIOUS ARTICULATED, C181	U	1103
2353-38-1-7	CANADA SNOW VEHICLE, CARRIER, TRACKED, RN21	U	1107
2353-38-1-8	CANADA SNOW VEHICLE, CARRIER, TRACKED, RN110	U	1111
2353-38-1-9	CANADA SNOW VEHICLE, CARRIER, TRACKED RN110B (CDN)	U	1115
2353-38-1-10	CANADA SNOW VEHICLE, CARRIER, TRACKED, "SURE GO" (FOREMOST)	U	1121
2353-38-1-13	CANADA SNOW VEHICLE CARRIER TRACKED S-100 (FOREMOST)	U	1133
2353-38-1-11	CANADA SNOW VEHICLE, CARRIER, TRACKED, RN 200 (NODWELL)	U	1125
2353-38-1-12	CANADA SNOW VEHICLE, CARRIER, TRACKED, S-200 (FOREMOST)	U	1129
1525-38-1-1	CANADA AIR CUSHION VEHICLE MODEL 7380 "VOYAGEUR"	U	69
<u>AUSTRALIA</u>			
1525-41-1-1	AUSTRALIA AIR CUSHION VEHICLE G-6	U	73
<u>PAKISTAN</u>			
2320-45-4-1	PAKISTAN TRUCK, UTILITY, 1/2-TON, 4x2, "SKOPAK"	U	891

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U N C L A S S I F I E D

FOM-1525-2-1-2-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: AIR CUSHION VEHICLE, RADUGA

(OLD 2-1525-1-2)

NATIVE DES: RADUGA

COUNTRY: U.S.S.R

PRODUCED/ADOPTED: TEST/BED/62

DATE UPDATED: 30AUG73

(U)THE FIVE-SEAT RADUGA IS THE SECOND AIR CUSHION VEHICLE DEVELOPED IN THE U.S.S.R. CONSTRUCT-
ED OF ALUMINUM, IT WAS BUILT AS A TEST VEHICLE FOR INVESTIGATING THE PERIPHERAL JET AIR CUSHION
PRINCIPLE AND PROBLEMS ASSOCIATED WITH LIFT, PROPULSION, STABILITY, AND CONTROL OF THIS TYPE OF
CRAFT.

(U)THE RADUGA, HOVERING WITHIN 15 CENTIMETERS OF THE WATER, IS ABLE TO DEVELOP A SPEED OF UP TO
65 KNOTS. IN THE LATE 1960'S IT WAS FITTED WITH A BAG AND FINGER SKIRT FOR DEVELOPMENT PURPOSES.

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-2-1-2-A
NOMEN: AIR CUSHION VEHICLE, RADUGA

CATALOG: TB-381-5-22
(OLD 2-1525-1-2)
COUNTRY: U.S.S.R
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: TEST/BED/62

PHYSICAL DATA:

WEIGHT (KG)-
-EMPTY ----- 2700
-GROSS ----- ?
CREW-NR ----- 1
CARGO CAP (KG) ----- N/A
PASSENGER CAP (NR) ----- 4/5

VEHICLE DIMENSIONS (MM):

LENGTH ----- 9400
WIDTH ----- 4110
HEIGHT-STATIC ----- 2680
HEIGHT-OPERATING ----- 2830
PASSENGER COMPARTMENT-
-LENGTH ----- ?
-WIDTH ----- ?
-HEIGHT ----- ?
CARGO COMPARTMENT-
-LENGTH ----- N/A
-WIDTH ----- N/A
-HEIGHT ----- N/A

POWERPLANT:

TYPE ----- RADIAL AIRCRAFT AIRCOOLED
MODEL(S) ----- ?
NUMBER USED ----- 2
MAX HP AT RPM ----- 220
FUEL-TYPE ----- AVGAS
FUEL CAP (LITERS) ----- ?

LIFT FANS:

NUMBER ----- 1
DIAMETER (MM) ----- 1800
TYPE ----- 12 BLADE AXIAL

CUSHION-

-PRESSURE (KG/CM2) - ?
-AREA (CM2) ----- ?

PROPELLERS (FANS):

NUMBER ----- 1
TYPE ----- VARIABLE PITCH

BLADES (NR) ----- 2
DIAMETER (MM) ----- ?

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 150
MAX SPEED (KT) ----- 65
CRUIS SPEED (KT) ----- 60
CRUIS RANGE (KM) ----- ?
MAX ENDURANCE (HRS) ----- 3

CONTROLS:

DIRECTIONAL -- AERODYNAMIC RUDDERS
TRIM ----- ?

MISCELLANEOUS:

ELECTRONICS-
-NAVIGATION ----- ?
-COMMUNICATIONS ----- ?
SKIRT-
-TYPE ----- BAG AND FINGER
-MATERIAL ----- FLEXIBLE, TYPE UNKNOWN
-HEIGHT (MM) ----- 150
VEH BODY CONST TYPE -- ALUMINUM ALLOYS
ARMAMENT ----- N/A
-
-
-

REMARKS:

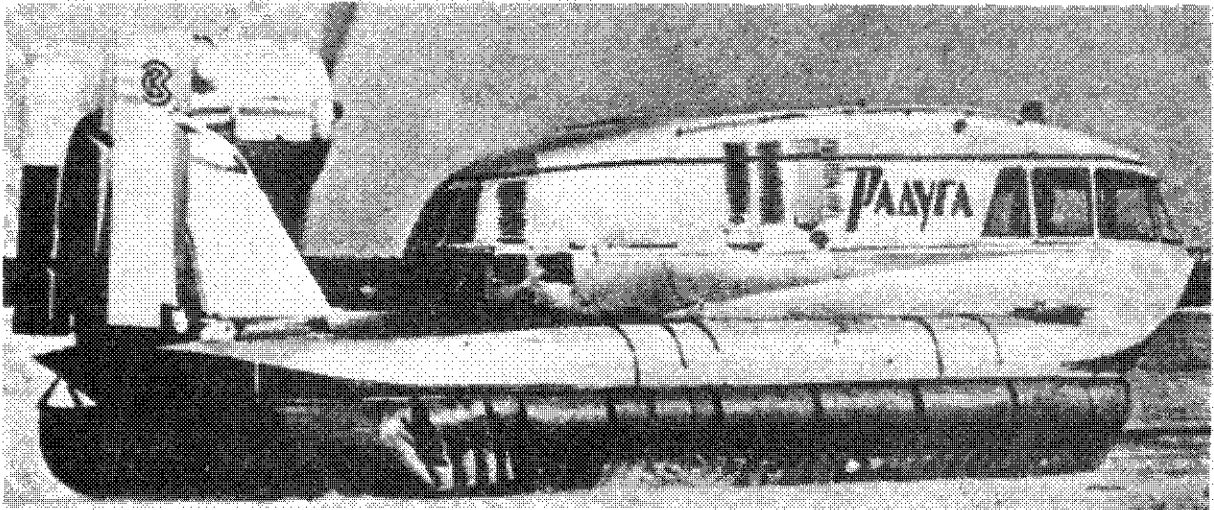
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-2-1-2-B
NOMEN: AIR CUSHION VEHICLE, RADUGA
PRODUCED/ADOPTED: TEST/62D/62

CATALOG: TB-381-5-22
(OLD 2-1525-1-2)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

FQM-1525-2-1-2-B
NGMEN: AIR CUSHION VEHICLE, RADUGA

CATALOG: T8-381-5-22
(OLD 2-1525-1-2)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: TEST/0ED/62

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-2-1-3-A

CATALOG: TB-381-5-22

NOMEN: AIR CUSHION VEHICLE, "SOMOROVICH"

(OLD 2-1525-1-3)

NATIVE DES: "SOMOROVICH"

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: PROTOTYPE 65

DATE UPDATED: 07AUG73

(U)"SOMOROVICH" WAS BUILT AT KRASNOYE SORMOVO SHIPYARD IN GORKIY IN 1969, ORIGINALLY HAVING A PERIPHERAL JET WITH NO FLEXIBLE SKIRT. A 4-FOOT FLEXIBLE SKIRT WAS ADDED IN 1970 TO IMPROVE PERFORMANCE. AN UNUSUAL FEATURE IS THE USE OF RETRACTABLE WHEELS ON LIGHTLY SPRUNG LEGS UNDERNEATH, WHICH PROTECT THE HULL FROM IMPACT DAMAGE WHEN OPERATING OVER ICE OR LAND.

DATE CATALOGED: 01JAN73
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U N C L A S S I F I E D

FORM-1525-2-1-3-A
 NOMEN: AIR CUSHION VEHICLE, "SOMOROVICH"

CATALOG: TB-381-5-22
 (OLD 2-1525-1-3)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: PROTOTYPE 65

PHYSICAL DATA:

WEIGHT (KG)-
 -EMPTY ----- ?
 -GROSS ----- 29600
 CREW-NR ----- 2
 CARGO CAP (KG) ----- ?
 PASSENGER CAP (NR) --- 42

VEHICLE DIMENSIONS (MM):

LENGTH ----- 29300
 WIDTH ----- 10300
 HEIGHT-STATIC ----- 3990
 HEIGHT-OPERATING ----- 4800 (APPROX)
 PASSENGER COMPARTMENT-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HEIGHT ----- ?
 CARGO COMPARTMENT-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HEIGHT ----- N/A

POWERPLANT:

TYPE ----- GAS TURBINE
 MODEL(S) ----- IVCHENKO AI-24
 -
 NUMBER USED ----- 1
 MAX HP AT RPM ----- 2500 SHP
 FUEL-TYPE ----- KEROSENE
 FUEL CAP (LITERS) ---- ?

LIFT FANS:

NUMBER ----- 1
 DIAMETER (MM) ----- 3510
 TYPE ----- AXIAL 12-BLADE
 - VARIABLE PITCH

CUSHION-

-PRESSURE (KG/CM2) - .015
 -AREA (CM2) ----- 1.65 MILLION

PROPELLERS (FANS):

NUMBER ----- 2
 TYPE ----- SHROUDED-VARIABLE
 - PITCH
 BLADES (NR) ----- 4
 DIAMETER (MM) ----- 2500

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 900 (EST)
 MAX SPEED (KT) ----- 75 KT
 CRUIS SPEED (KT) ----- 70 KT
 CRUIS RANGE (KM) ----- 370
 MAX ENDURANCE (HRS) ----- ?

CONTROLS:

DIRECTIONAL -- DIFFERENTIAL PROP PITCH, AERO RUD
 TRIM ----- BALLAST

MISCELLANEOUS:

ELECTRONICS-
 -NAVIGATION ----- ?
 -COMMUNICATIONS ---- COMMERCIAL
 SKIRT-
 -TYPE ----- FLEXIBLE
 -MATERIAL ----- UNKNOWN
 -HEIGHT (MM) ----- 1220
 VEH BODY CONST TYPE -- MARINE ALUMINUM
 ARMAMENT ----- N/A
 -
 -
 -

REMARKS:

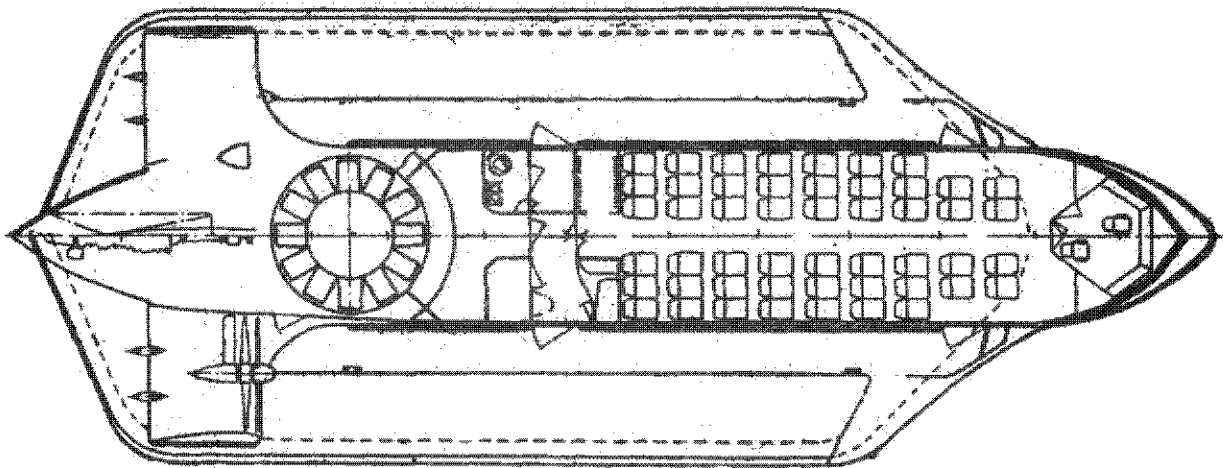
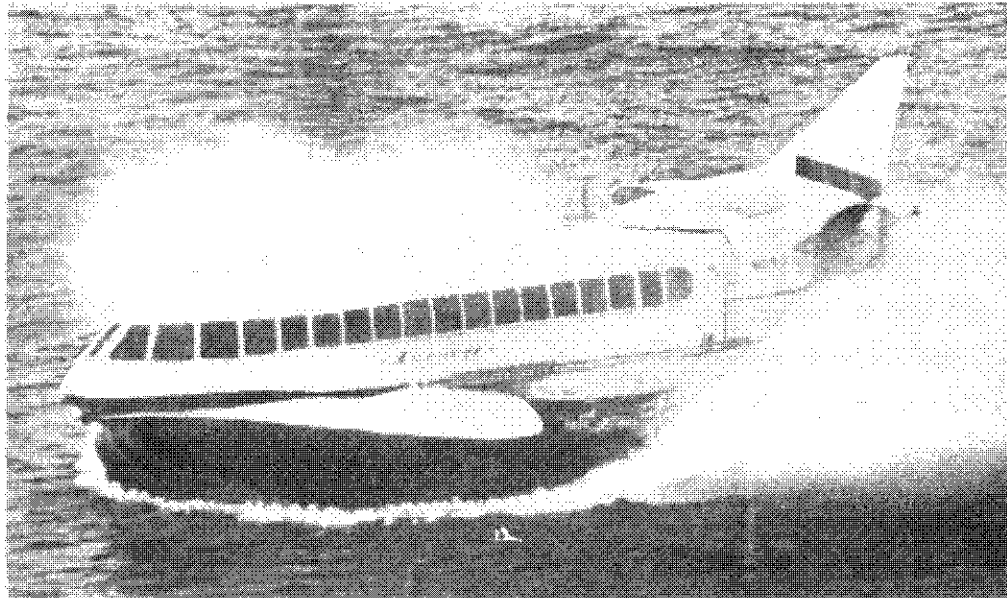
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FOM-1525-2-1-3-8
NOMEN: AIR CUSHION VEHICLE, "SOMOROVICH"
PRODUCED/ADAPTED: PROTOTYPE 65

CATALOG: TB-381-5-22
TOLD 2-1525-1-31
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73



DATE CATALOGED: 01JAN73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-2-1-3-8
NOMEN: AIR CUSHION VEHICLE, "SQMORUVICH"
PRODUCED/ADOPTED: PROTOTYPE 65

CATALOG: TB-381-S-22
COLD 2-1525-1-3)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

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DATE CATALOGED: 01 JAN 73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FUM-1525-2-1-4-A

CATALOG: TB-381-S-22

NOMEN: AIR CUSHION VEHICLE "GUS"

(OLD 2-1525-1-4)

NATIVE DES: ?

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1969-DATE/

DATE UPDATED: 13SEP73

(U) THIS VEHICLE WAS BUILT AT THE DEKABRISTOV ISLAND SHIPYARD IN LENINGRAD, FIRST APPEARING IN 1969. IT IS NOW BELIEVED TO BE IN SERIES PRODUCTION. THE DEKABRISTOV YARD IS THE CENTER OF MILITARY AIR CUSHION VEHICLE DEVELOPMENT IN THE USSR.

FURTHER ARE FOUR PERSONNEL DOORS BUT NO CARGO HATCHES.

THE "GUS" HAS APPEARED IN TWO VERSIONS, ONE A SIMPLE TROOP CARRIER, THE OTHER HAVING A SLIGHTLY LONGER CARGO/PASSENGER CABIN AND A SMALL CUPOLA ABOVE THE CONTROL CAB.

DATE CATALOGED: 01JAN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-1525-2-1-4-A
 NOMEN: AIR CUSHION VEHICLE "GUS"

CATALOG: TB-381-5-22
 (OLD 2-1525-1-4)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: 1969-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -EMPTY ----- 13,000
 -GROSS ----- 27,000
 CREW-NR ----- 3
 CARGO CAP (KG) ----- 8150
 PASSENGER CAP (NR) ----- 30-40

VEHICLE DIMENSIONS (MM):

LENGTH ----- 21,300
 WIDTH ----- 7000
 HEIGHT-STATIC ----- 5200
 HEIGHT-OPERATING ----- 6550
 PASSENGER COMPARTMENT-
 -LENGTH ----- 9400
 -WIDTH ----- 3,000
 -HEIGHT ----- ?
 CARGO COMPARTMENT-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HEIGHT ----- N/A

POWERPLANT:

TYPE ----- FREE TURBINE TURBO-PROP
 MODEL(S) ----- GLUSHENKOV TVD 10
 -
 NUMBER USED ----- 3
 MAX HP AT RPM ----- 950 SHP @A
 FUEL-TYPE ----- KEROSENE
 FUEL CAP (LITERS) ----- ?

LIFT FANS:

NUMBER ----- 1
 DIAMETER (MM) ----- 7
 TYPE ----- AXIAL ?
 -

CUSHION-

-PRESSURE (KG/CM2) ----- 1.0017
 -AREA (CM2) ----- 149,000

PROPELLERS (FANS):

NUMBER ----- 2
 TYPE ----- VARIABLE PITCH REVERSIBLE
 -
 BLADES (NR) ----- 3
 DIAMETER (MM) ----- 3,000

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) ----- 900 MM
 MAX SPEED (KT) ----- 60 KT ?
 CRUIS SPEED (KT) ----- 40 KT ?
 CRUIS RANGE (KM) ----- 220-260 N.M. ?
 MAX ENDURANCE (HRS) ----- 5 HR ?

CONTROLS:

DIRECTIONAL -- #1
 TRIM ----- TWO ELEVATORS

MISCELLANEOUS:

ELECTRONICS-
 -NAVIGATION ----- RADAR
 -COMMUNICATIONS ----- HF,UHF,VHF,IFF,
 SKIRT-
 -TYPE ----- BAG AND FINGER (?)
 -MATERIAL ----- COATED FABRIC TYPE UNKNOWN
 -HEIGHT (MM) ----- 1300
 VEH BODY CONST TYPE -- #2
 ARMAMENT ----- NONE
 -
 -
 -

REMARKS:

1/ VARIABLE PITCH PROPS-AERO DYNAMIC
 RUDDERS, PUFF PORTS
 2/ COMBINATION AIRCRAFT - MARINE
 ALUMINUM.

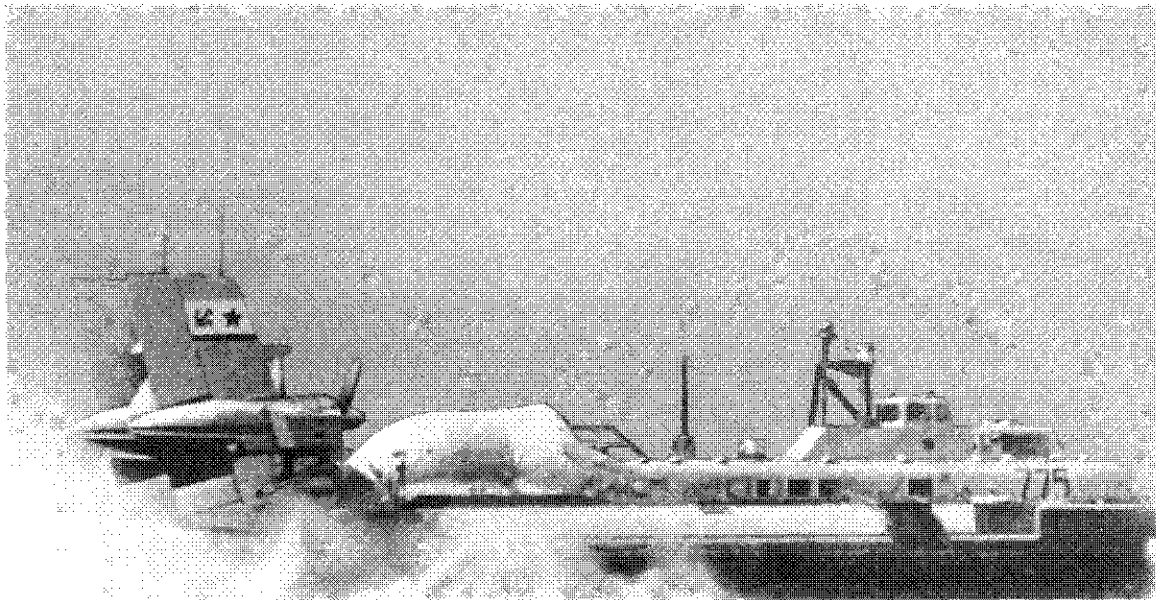
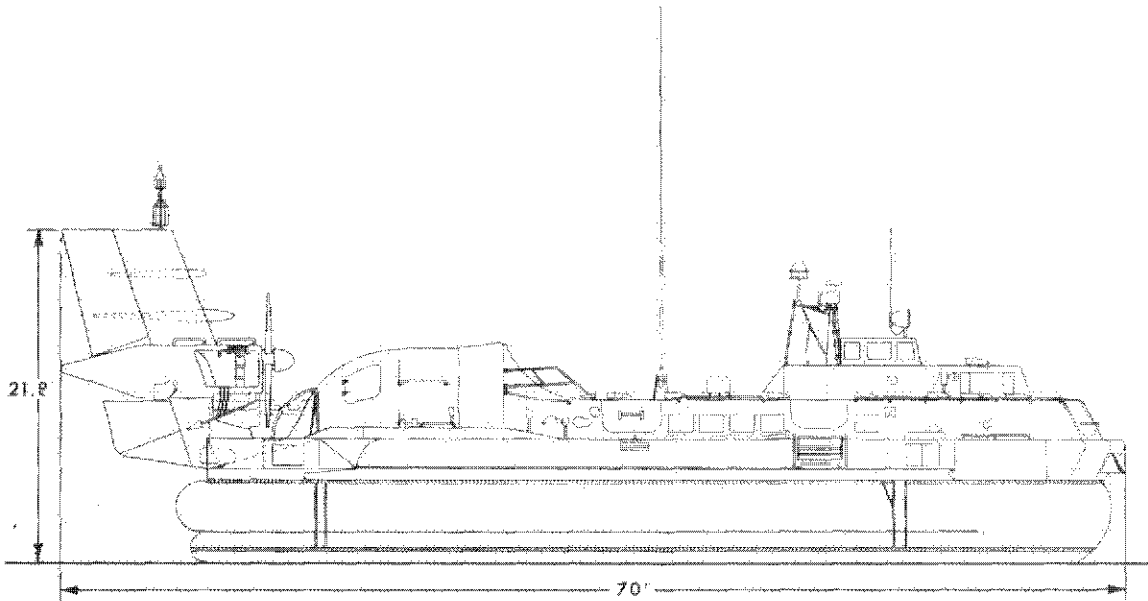
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-2-1-4-8
NOMEN: AIR CUSHION VEHICLE "GUS"
PRODUCED/AADOPTED: 1969-DATE/

CATALOG: TB-381-S-22
(OLD 2-1525-I-4)
COUNTRY: U.S.S.R.
DATE UPDATED: 13SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-2-1-4-B
NOMEN: AIR CUSHION VEHICLE "GUS"

PRODUCED/ADOPTED: 1969-DATE/

CATALOG: TB-381-5-22
COLD 2-1525-1-41
COUNTRY: U.S.S.R.
DATE UPDATED: 13SEPT3

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-2-1-5-A

CATALOG: I8-381-5-22

NOMEN: AIR CUSHION VEHICLE, BRIZ

(OLD 2-1525-1-5)

NATIVE DES: BRIZ

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: EXP 1968/

DATE UPDATED: 30AUG73

(U)PHOTOS OF A NEW SOVIET AIR CUSHION VEHICLE (ACV) IDENTIFIED ONLY AS "BRIZ".
"BRIZ" APPEARS TO INCORPORATE THE BODY AND PROPULSOR OF A KA-30 AEROSOLED MOUNTED ON AN AIR CUSH-
ION HULL OR PLATFORM.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-1525-2-1-5-A
NOMEN: AIR CUSHION VEHICLE, BRIZ

CATALOG: TB-381-5-22
(OLD 2-1525-1-5)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: EXP 1968/

PHYSICAL DATA:

WEIGHT (KG)-
-EMPTY ----- 7
-GROSS ----- 7
CREW-NR ----- 1
CARGO CAP (KG) ----- 7
PASSENGER CAP (NR) --- 10

VEHICLE DIMENSIONS (MM):

LENGTH ----- 9140
WIDTH ----- 4580
HEIGHT-STATIC ----- 2740
HEIGHT-OPERATING ----- 3200
PASSENGER COMPARTMENT-
-LENGTH ----- 3050
-WIDTH ----- 1500
-HEIGHT ----- 1900
CARGO COMPARTMENT-
-LENGTH ----- N/A
-WIDTH ----- N/A
-HEIGHT ----- N/A

POWERPLANT:

TYPE ----- #1
MODEL(S) ----- PROP: 8-CYL, AIR
- COOLED, RADIAL
NUMBER USED ----- #2
MAX HP AT RPM ----- #3
FUEL-TYPE ----- AVGAS
FUEL CAP (LITERS) --- 7

LIFT FANS:

NUMBER ----- 6
DIAMETER (MM) ----- 760 ?
TYPE ----- CENTRIFUGAL

CUSHION-

-PRESSURE (KG/CM2) - 7
-AREA (CM2) ----- 360000

PROPELLERS (FANS):

NUMBER ----- 1
TYPE ----- VARIABLE PITCH,
- REVERSIBLE
BLADES (NR) ----- 3
DIAMETER (MM) ----- 7

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 300
MAX SPEED (KT) ----- 50
CRUIS SPEED (KT) ----- ?
CRUIS RANGE (KM) ----- ?
MAX ENDURANCE (HRS) ----- ?

CONTROLS:

DIRECTIONAL -- PUFF PORTS, AERO RUDDERS
TRIM ----- ?

MISCELLANEOUS:

ELECTRONICS-
-NAVIGATION ----- NONE
-COMMUNICATIONS ---- ?
SKIRT-
-TYPE ----- BAG AND FINGER
-MATERIAL ----- LAMINATED FABRIC
-HEIGHT (MM) ----- ?
VEH BODY CONST TYPE -- RIVETED ALUMINUM
ARMAMENT ----- NONE
-
-

REMARKS:

1/ PROPULSION: AI-14 RS
LIFT: MUSKOVICH 407
2/ LIFT: AUTOMOTIVE 4 CYL.
1-PROP, 2 LIFT
3/ PROP: 260 HP AT 2400
LIFT: ?

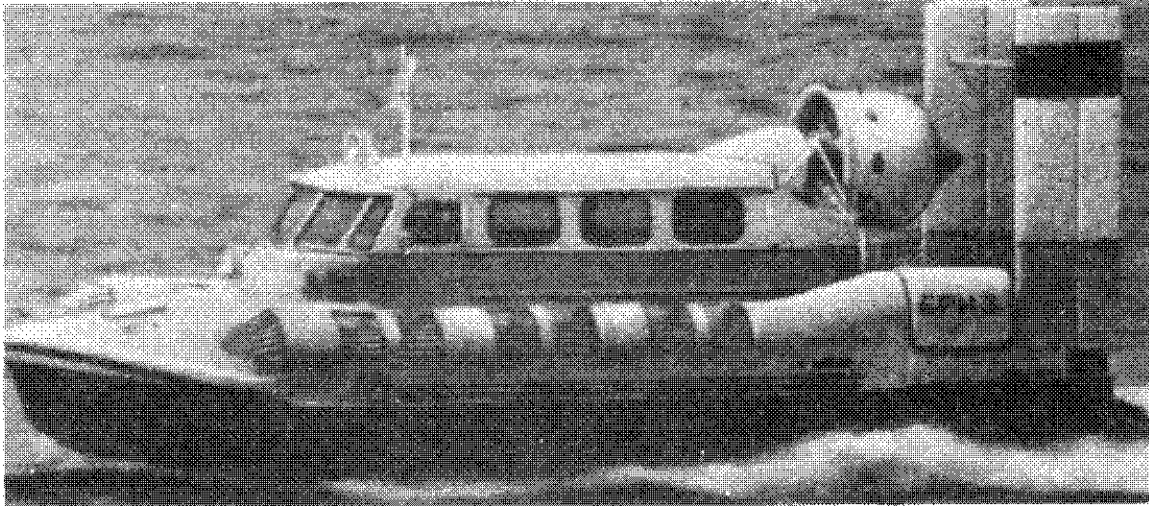
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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-1525-2-1-5-B
NDMEN: AIR CUSHION VEHICLE, BRIZ
PRODUCED/ADOPTED: EXP 1968/

CATALOG: TB-381-5-22
(OLD 2-1525-1-5)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-2-1-5-8
NOMEN: AIR CUSHION VEHICLE, BRIZ
PRODUCED/ADOPTED: EXP 1968/

CATALOG: TB-381-5-22
(OLD 2-1525-1-5)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-2-1-6-A

CATALOG: T8-38L-5-22

NDMEN: AIR CUSHION VEHICLE "AIST" (U)

(OLD 2-1525-1-6)

NATIVE DES: ?

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: PROTOTYPE 70

DATE UPDATED: 30AUG73

(U)"AIST", THE LARGEST ACV IN THE WORLD, WAS FIRST SEEN IN LENINGRAD, IN 1970. IT HAS AN UNCONVENTIONAL PROPULSION ARRANGEMENT. FOUR PROPELLERS ARE MOUNTED IN FRONT OF TWO LARGE AERODYNAMIC RUDDERS. THEY ARE IN PAIRS FACING EACH OTHER AT CLOSE INTERVALS. THE ARRANGEMENTS WOULD SUGGEST THAT THEY ARE CONTRAROTATING, WHICH WOULD INCREASE EFFICIENCY. THEIR DIAMETER IS AT LEAST 4570 MM. THE ENGINES ARE BELIEVED TO BE MOUNTED NOT ON THE PYLONS BUT IN THE BODY OF THE CRAFT, THE POWER BEING SHAFTED UP TO THE PROPS.

(U)"AIST" ALSO HAS COMMUNICATION GEAR, RADAR, AND CONTROL CABIN IN THE FRONT. IT HAS LARGE DOOR/RAMPS ON EITHER END, GIVING A ROLL-ON/ROLL-OFF CAPABILITY WITH A PAYLOAD OF ABOUT 72,000 KG. IT IS ARMED, HAVING WHAT APPEARS TO BE A TWIN 30-MM AUTOMATIC WEAPON SYSTEM ABOVE THE CONTROL CABIN. THE MACHINE PROBABLY A LOGISTICS CRAFT: IT SEEMS TOO LARGE AND VULNERABLE TO COMMIT TO A DIRECT FIRE SITUATION. THIS ACV HAS NOT BEEN SEEN IN ACTION: CONSEQUENTLY PERFORMANCE ESTIMATES CAN NOT BE VERIFIED.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-1525-2-1-6-A
 NOMEN: AIR CUSHION VEHICLE "AIST" (U)

CATALOG: TB-381-5-22
 (OLD 2-1525-1-6)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: PROTOTYPE 70

PHYSICAL DATA:

WEIGHT (KG)-

-EMPTY ----- 91,000 (EST)
 -GROSS ----- 163,000 (EST)
 CREW-NR ----- ?
 CARGO CAP (KG) ----- 73,000 (EST)
 PASSENGER CAP (NR) ----- ?

VEHICLE DIMENSIONS (MM):

LENGTH ----- 46,000 APPROX.
 WIDTH ----- 18,000 APPROX.
 HEIGHT-STATIC ----- 15,000 (EST)
 HEIGHT-OPERATING ----- ?
 PASSENGER COMPARTMENT-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HEIGHT ----- N/A
 CARGO COMPARTMENT-
 -LENGTH ----- 46,000
 -WIDTH ----- ?
 -HEIGHT ----- ?

POWERPLANT:

TYPE ----- TURBINES ?
 MODEL(S) ----- ?
 - -----
 NUMBER USED ----- 4 TO 6
 MAX HP AT RPM ----- 18,000-24,000 SHP EST
 FUEL-TYPE ----- ?
 FUEL CAP (LITERS) ----- ?

LIFT FANS:

NUMBER ----- 4 (EST)
 DIAMETER (MM) ----- ?
 TYPE ----- AXIAL (?)

CUSHION-

-PRESSURE (KG/CM2) ----- ?
 -AREA (CM2) ----- 8.4 MILLION (APPROX)

PROPELLERS (FANS):

NUMBER ----- 4
 TYPE ----- COUNTER ROTATING
 - -----
 BLADES (NR) ----- 4 EACH
 DIAMETER (MM) ----- 4500-6100 (EST)

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) ----- ?
 MAX SPEED (KT) ----- 55 (EST)
 CRUISE SPEED (KT) ----- 50 (EST)
 CRUISE RANGE (KM) ----- ?
 MAX ENDURANCE (HRS) ----- ?

CONTROLS:

DIRECTIONAL -- *1
 TRIM ----- ?

MISCELLANEOUS:

ELECTRONICS-
 -NAVIGATION ----- RADAR, TYPE UNKNOWN
 -COMMUNICATIONS ----- YES, TYPE UNK
 SKIRT-
 -TYPE ----- FLEXIBLE TYPE UNKNOWN
 -MATERIAL ----- RUBBERIZED FABRIC
 -HEIGHT (MM) ----- ?
 VEH BODY CONST TYPE -- MARINE ALLOYS
 ARMAMENT ----- 30 MM TWIN MOUNT
 -
 -
 -

REMARKS:

1/ DIFFERENTIAL PROP PITCH AND
 AERODYNAMIC RUDDERS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-2-1-6-6
NOMEN: AIR CUSHION VEHICLE "AIST" (U)
PRODUCED/ADOPTED: PROTOTYPE 70

CATALOG: TB-381-5-22
10LD 2-1525-1-6)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

NO PICTURE AVAILABLE

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOU-1525-2-1-6-B
NOMEN: AIR CUSHION VEHICLE "AIST" (U)

PRODUCED/ADOPTED: PROTOTYPE 70

CATALOG: TB-381-5-22
(CLO 2-1925-1-6)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

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FOM-1525-17-1-1-A

CATALOG: YB-381-S-22

NOMEN: AIR CUSHION VEHICLE N.300

(OLD 17-1525-1-1)

NATIVE DES: N. 300

COUNTRY: FRANCE

PRODUCED/ADOPTED: 1967-DATE/

DATE UPDATED: 30AUG73

(U)THE N.300 IS BUILT BY SEDAM, USING BERTIN ET CIE PATENTS. THE SKIRT SYSTEM IS A TYPICAL BERTIN MULTIPLE JUPE VERSION. IT HAS BEEN PRODUCED AS AN OPEN DECK ROLL-ON/ROLL-OFF CARGO CARRIER OR AS A PASSENGER CARRIER WITH PASSENGER "POD" ON THE CARGO DECK (SEE PHOTO). N. 300'S HAVE BEEN IN USE IN SOUTHERN FRANCE SINCE 1968.

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U N C L A S S I F I E D

FORM-1525-17-1-1-A
NOMEN: AIR CUSHION VEHICLE N4300

CATALOG: TB-381-5-22
(OLD 17-1525-1-1)
COUNTRY: FRANCE
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1967-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
-EMPTY ----- 11500
-GROSS ----- 23600
CREW-NR ----- 2
CARGO CAP (KG) ----- 11700
PASSENGER CAP (NR) ----- 100-120

VEHICLE DIMENSIONS (MM):

LENGTH ----- 24000
WIDTH ----- 10520
HEIGHT-STATIC ----- 7470
HEIGHT-OPERATING ----- 9100
PASSENGER COMPARTMENT-
-LENGTH ----- 22900
-WIDTH ----- 3700
-HEIGHT ----- 3000
CARGO COMPARTMENT-
-LENGTH ----- 22900
-WIDTH ----- 3700
-HEIGHT ----- OPEN DECK

POWERPLANTS:

TYPE ----- GAS TURBINE
MODEL(S) ----- TURMO 3. N3
-
NUMBER USED ----- 2
MAX HP AT RPM ----- 1500 SHP EACH
FUEL-TYPE ----- KEROSENE
FUEL CAP (LITERS) ----- 1510

LIFT FANS:

NUMBER ----- 4
DIAMETER (MM) ----- 1800
TYPE ----- AXIAL
-

CUSHION:

-PRESSURE (KG/CM2) ----- .011
-AREA (CM2) ----- 1,600,000

PROPELLERS (FANS):

NUMBER ----- 2
TYPE ----- VARIABLE PITCH
- REVERSIBLE
BLADES (NR) ----- 3
DIAMETER (MM) ----- 3630

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) ----- 1800
MAX SPEED (KT) ----- 62 KT
CRUISE SPEED (KT) ----- 50 KT
CRUISE RANGE (KM) ----- 280
MAX ENDURANCE (HRS) ----- 3 HRS

CONTROLS:

DIRECTIONAL -- *I
TRIM ----- ?

MISCELLANEOUS:

ELECTRONICS-
-NAVIGATION ----- YES
-COMMUNICATIONS ----- YES
SKIRT-
-TYPE ----- BERTIN MULTI-JUPE
-MATERIAL ----- NEOPRENE COATED NYLONN FA
-HEIGHT (MM) ----- 2000
VEH BODY CONST TYPE -- AIRCRAFT ALUMINUM
ARMAMENT ----- N/A
-
-

REMARKS:

1/ DIFFERENTIAL PROP PITCH,
AERODYNAMIC RUDDERS

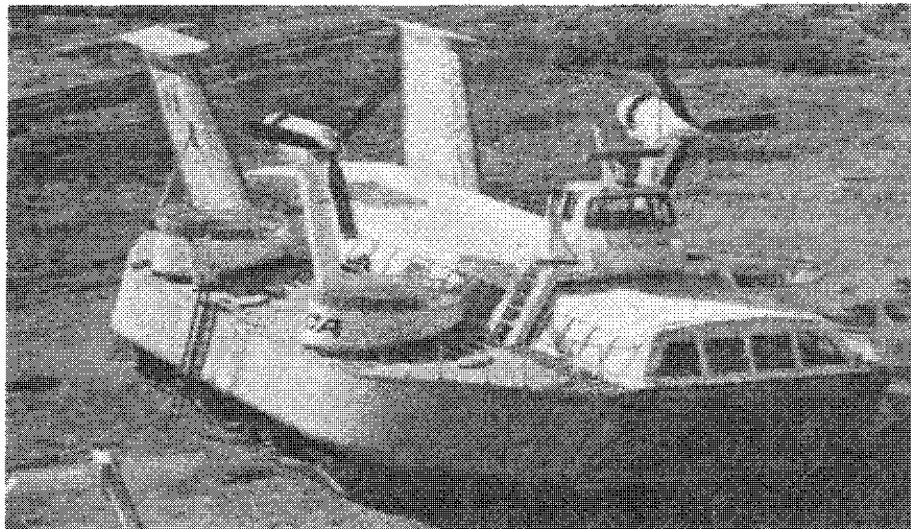
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U N C L A S S I F I E D

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FOM-1525-17-1-1-B
NOMEN: AIR CUSHION VEHICLE N.300
PRODUCED/ADOPTED: 1967-DATE/

CATALOG: TB-381-5-22
(OLD 17-1525-1-1)
COUNTRY: FRANCE
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-17-1-1-8
NOMEN: AIR CUSHION VEHICLE N.300
PRODUCED/ADOPTED: 1967-DATE/

CATALOG: TB-381-5-22
OLD 17-1525-1-11
COUNTRY: FRANCE
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-1525-17-1-2-A

CATALOG: TB-381-5-22

NOMEN: AIR CUSHION VEHICLE N.102

(OLD 17-1525-1-2)

NATIVE DES: N.102

COUNTRY: FRANCE

PRODUCED/ADOPTED: 1969-DATE/

DATE UPDATED: 30AUG73

(U)THE N.102 IS PRODUCED BY SEDAM OF FRANCE UNDER PATENTS DEVELOPED BY BERTIN ET CIE. IN ITS LATEST FORM, IT EMPLOYS A CIRCULAR PLATFORM OF THE BERTIN JUPE SKIRTS. CONTROL IS ACHIEVED BY DIFFERENTIAL PITCH OF THE PROPELLERS, AIR RUDDER AND PUFF PORTS WITH AN ELEVATOR PROVIDING TRIM. N.102 USES AN INTEGRATED LIFT-PROPULSION SYSTEM AND HAS A RETRACKABLE AIRCRAFT-TYPE LANDING GEAR, INSTALLED UNDER THE PLENUM FOR OVERLOAD OPERATION AND PROTECTION. THE UNDER CARRIAGE CAN ALSO BE USED TO FACILITATE REPAIRS IN THE FIELD.

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U N C L A S S I F I E D

FDM-1525-17-1-2-A
 NOMEN: AIR CUSHION VEHICLE N.102

CATALOG: TB-381-5-22
 (OLD 17-1525-1-2)
 COUNTRY: FRANCE
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1969-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -EMPTY ----- 2990
 -GROSS ----- 3990
 CREW-NR ----- 1 OR 2
 CARGO CAP (KG) ----- 3570
 PASSENGER CAP (NR) --- 13 OR 14

VEHICLE DIMENSIONS (MM):

LENGTH ----- 10210
 WIDTH ----- 7680
 HEIGHT-STATIC ----- 3700
 HEIGHT-OPERATING ----- 4110
 PASSENGER COMPARTMENT-
 -LENGTH ----- 3570
 -WIDTH ----- 2190
 -HEIGHT ----- ?
 CARGO COMPARTMENT-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HEIGHT ----- N/A

POWERPLANT:

TYPE ----- GAS TURBINE
 MODEL(S) ----- TURBOMEGA ASTAZOU XIV
 -
 NUMBER USED ----- 1
 MAX HP AT RPM ----- 700 SHP
 FUEL-TYPE ----- KERUSENE
 FUEL CAP (LITERS) ---- 610

LIFT FANS:

NUMBER ----- 1
 DIAMETER (MM) ----- 1580
 TYPE ----- AXIAL
 -

CUSHION-

-PRESSURE (KG/CM2) - .012
 -AREA (CM2) ----- ?

PROPELLERS (FANS):

NUMBER ----- 2
 TYPE ----- SHROUDED VARIABLE
 - PITCH REVERSIBLE
 BLADES (NR) ----- 5
 DIAMETER (MM) ----- 975

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 460
 MAX SPEED (KT) ----- 55
 CRUIS SPEED (KT) ----- 40 TO 45
 CRUIS RANGE (KM) ----- ?
 MAX ENDURANCE (HRS) ----- 3 TO 4

CONTROLS:

DIRECTIONAL -- AERODYNAMIC RUDDERS, VARIABLE PRO
 TRIM ----- ELEVATOR

MISCELLANEOUS:

ELECTRONICS-
 -NAVIGATION ----- ?
 -COMMUNICATIONS ---- COMMERCIAL
 SKIRT-
 -TYPE ----- BERTIN MULTICELL
 -MATERIAL ----- NEOPRENE NYLON FABRIC
 -HEIGHT (MM) ----- 800
 VEN BODY CONST TYPE -- FIBERGLASS AND ALUMIUM
 ARMAMENT ----- N/A
 -
 -

REMARKS:

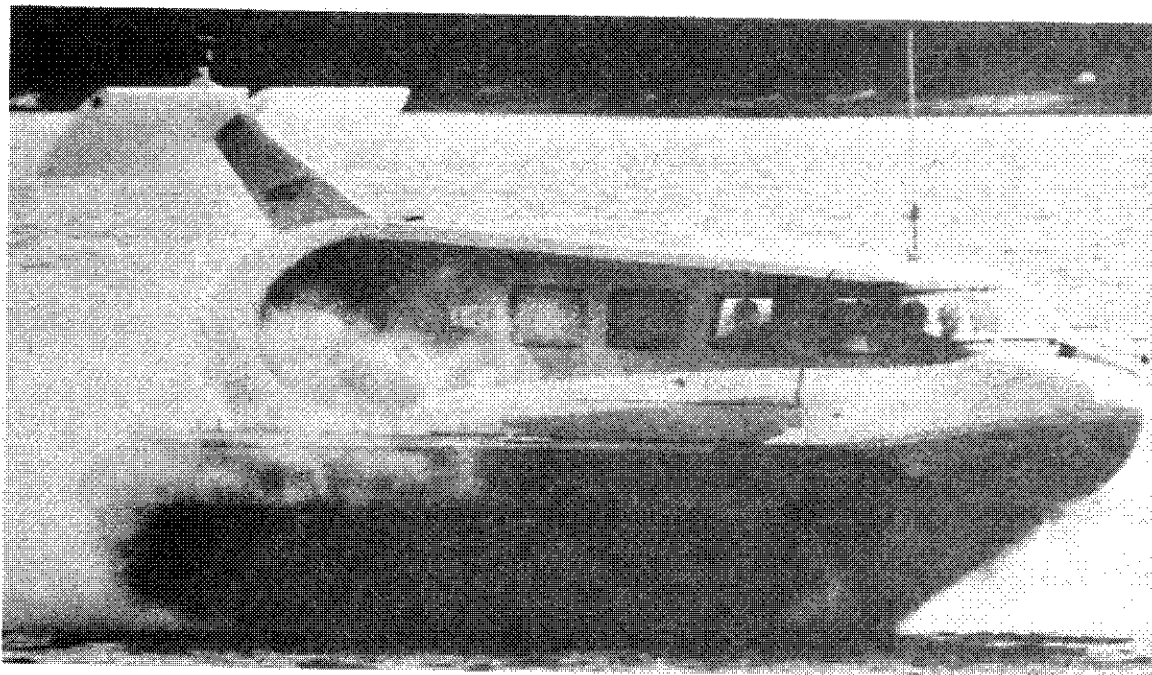
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FOM-1525-17-1-2-8
NOMEN: AIR CUSHION VEHICLE N.132
PRODUCED/ADOPTED: 1969-DATE/

U N C L A S S I F I E D

CATALOG: TH-381-5-22
(OLD 17-1525-1-2)
COUNTRY: FRANCE
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

FORM-1525-17-1-2-B
NOMEN: AIR CUSHION VEHICLE N.102

PRODUCED/ADOPTED: 1969-DATE/

CATALOG: TB-381-5-22
(OLD 17-1525-1-2)
COUNTRY: FRANCE
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOH-1525-30-1-1-A

CATALOG: T8-381-5-2Z

NOMEN: AIR CUSHION VEHICLE, MV-PP5

(OLD 30-1525-1-1)

NATIVE DES: MV-PP5

COUNTRY: JAPAN

PRODUCED/ADOPTED: 1968-DATE/

DATE UPDATED: 07AUG73

(U)THE MV-PP5, DESIGNED BY THE MITSUI SHIPBUILDING AND ENGINEERING COMPANY, LTD, AS A COMMERCIAL FERRY, USES LICENSED DESIGNS FROM THE BRITISH HOVERCRAFT CORPORATION. THE CRAFT'S UNIQUE FEATURE IS ITS HIGHLY DEVELOPED STEERING CAPABILITIES. MITSUI HAS UTILIZED PUFFPORTS, VARIABLE PITCH PROPELLERS WITH RUDDERS IN THE SLIPSTREAM, AND A DEVICE OF THE COMPANY'S OWN DESIGN CALLED "WATER RODS;" THESE ARE HYDRAULICALLY OPERATED ARMS, WHICH LOWER ON EITHER SIDE OF THE CRAFT, CREATING DRAG IN WATER AT ANY SPEED OR ON LAND AT LOW SPEEDS. THE RODS CAN REDUCE THE TURNING RADIUS OR STOPPING DISTANCE BY 35 PERCENT.

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U N C L A S S I F I E D

FOM-1525-30-1-1-A
 NOMEN: AIR CUSHION VEHICLE, MV-PP5

CATALOG: TB-381-5-22
 (OLD 30-1525-1-1)
 COUNTRY: JAPAN
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1968-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -EMPTY ----- 5900
 -GROSS ----- 10,890 24,000
 CREW-NR ----- 2
 CARGO CAP (KG) ----- N/A
 PASSENGER CAP (NR) --- 55

VEHICLE DIMENSIONS (MM):

LENGTH ----- 16000
 WIDTH ----- 8500
 HEIGHT-STATIC ----- 4600
 HEIGHT-OPERATING ----- 7
 PASSENGER COMPARTMENT-
 -LENGTH ----- 7100
 -WIDTH ----- 3800
 -HEIGHT ----- 1890
 CARGO COMPARTMENT-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HEIGHT ----- N/A

POWERPLANT:

TYPE ----- MARINE GAS TURBINE
 MODEL(S) ----- IHI TM-100
 -
 NUMBER USED ----- 1
 MAX HP AT RPM ----- 1050 SHP AT 19,500 RPM
 FUEL-TYPE ----- COMMERCIAL KEROSENE
 FUEL CAP (LITERS) --- 1870

LIFT FANS:

NUMBER ----- 1
 DIAMETER (MM) ----- 2290
 TYPE ----- 13-BLADE CENTRIFUGAL

CUSHION-

-PRESSURE (KG/CM2) - 1.75
 -AREA (CM2) ----- 900,000

REMARKS:

PROPELLERS (FANS):

NUMBER ----- 2
 TYPE ----- REVERSIBLE
 -
 BLADES (NR) ----- 3
 DIAMETER (MM) ----- 2600

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 610
 MAX SPEED (KT) ----- 55
 CRUIS SPEED (KT) ----- 13700
 CRUIS RANGE (KM) ----- 219
 MAX ENDURANCE (HRS) ----- 4 HR

CONTROLS:

DIRECTIONAL -- AERO RUDDERS, PUFF PORTS, WATER R
 TRIM ----- BALLAST, PITCH, SKIRT LIFT

MISCELLANEOUS:

ELECTRONICS-
 -NAVIGATION ----- RADAR
 -COMMUNICATIONS --- NORMAL MARITIME COMMERCIAL
 SKIRT-
 -TYPE ----- BHC BAG AND FINGER
 -MATERIAL ----- COATED NYLON
 -HEIGHT (MM) ----- 1200
 VEH BODY CONST TYPE -- MARINE ALUMINUM
 ARMAMENT ----- NONE
 -
 -

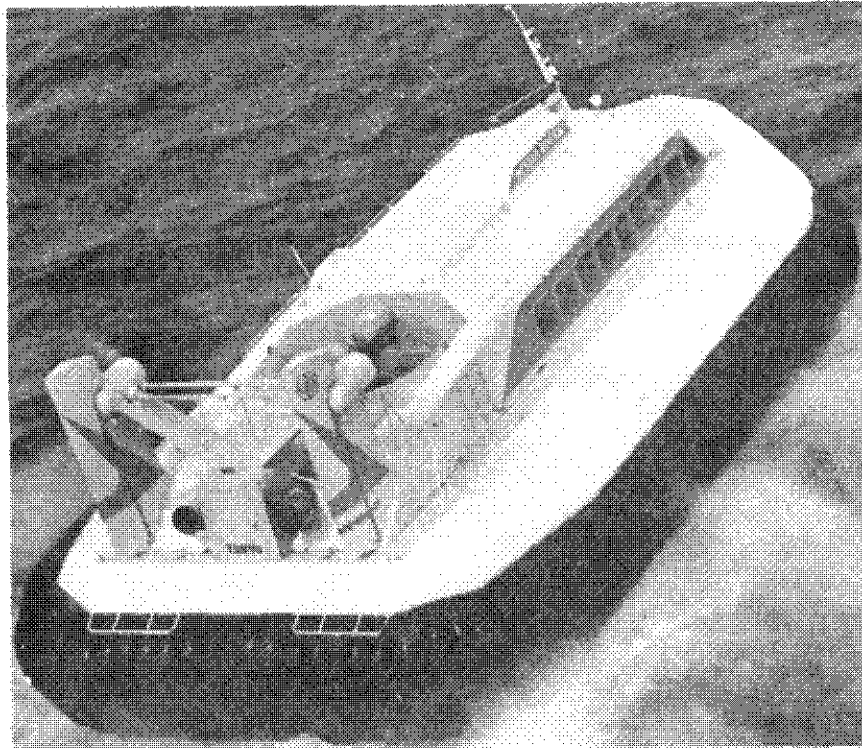
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-30-1-1-B
NDMEN: AIR CUSHION VEHICLE, MV-PP5
PRODUCED/ADOPTED: 1968-DATE/

CATALOG: T8-381-5-22
(OLD 30-1525-1-1)
COUNTRY: JAPAN
DATE UPDATED: 07AUG73



DATE CATALOGED: 01JAN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-1525-30-1-1-B
NOMEN: AIR CUSHION VEHICLE, MV-PP5
PRODUCED/ADOPTED: 1968-DATE/

CATALOG: TB-381-5-22
IOLD 30-1525-1-1)
COUNTRY: JAPAN
DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

ROM-1525-35-1-11-A

CATALOG: TB-381-5-22

NOMEN: AIR CUSHION VEHICLE ENFIELD EM.2

(OLD 34-1525-1-11)

NATIVE DES: EM.2

COUNTRY: UNITED KINGDOM

PRODUCED/ADOPTED: 1971-DATE/

DATE UPDATED: 07AUG73

(U) THIS FREIGHT CARRYING CRAFT WAS DESIGNED AND BUILT BY ENFIELD MARINE LTD., ORIGINALLY USING HIGH SPEED MARINE DIESELS. SIGNIFICANT FEATURES ARE THE USE OF MULTIBLADED SHROUDED PROPS TO CUT NOISE, INCREASE PROPULSIVE EFFICIENCY AND TO ENHANCE SAFETY ON THE STERN AROUND THE PROPULSION UNITS.

(U) ALTHOUGH THE STANDARD PAYLOAD IS LISTED AS 3825 KG, THE MANUFACTURE CLAIMS AN OVERLOAD CAPABILITY OF TWICE THAT AMOUNT WITH ONLY A SLIGHT DEGRADATION OF PERFORMANCE. CONTROL IS VIA AERODYNAMIC RUDDERS BEHIND THE PROPELLERS, PUFF PORTS FORWARD, AND A SKIRT LIFT SYSTEM ON THE STANDARD LOOP AND FINGER SKIRT.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-11-A

NOMEN: AIR CUSHION VEHICLE ENFIELD EN-2

PRODUCED/ADOPTED: 1971-DATE/

CATALOG: TR-381-5-22
 IOLD 34-1525-1-111
 COUNTRY: UNITED KINGDOM
 DATE UPDATED: 07AUG73

PHYSICAL DATA:

WEIGHT (KG)-
 -EMPTY ----- 8938
 -GROSS ----- 12793
 CREW-NR ----- 2
 CARGO CAP (KG) ----- 3825
 PASSENGER CAP (NR) --- N/A

VEHICLE DIMENSIONS (MM):

LENGTH ----- 1200
 WIDTH ----- 6400
 HEIGHT-STATIC ----- 4300
 HEIGHT-OPERATING ----- 5200
 PASSENGER COMPARTMENT-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HEIGHT ----- N/A
 CARGO COMPARTMENT-
 -LENGTH ----- 9100
 -WIDTH ----- 2590
 -HEIGHT ----- OPEN DECK

POWERPLANT:

TYPE ----- INDUSTRIAL GAS TURBINE
 MODEL(S) ----- WAUKESHA T-400
 -
 NUMBER USED ----- 2
 MAX HP AT RPM ----- 400-500 SHP EA
 FUEL-TYPE ----- KEROSENE
 FUEL CAP (LITERS) --- 2

LIFT FANS:

NUMBER ----- 4
 DIAMETER (MM) ----- 900
 TYPE ----- CENTRIFUGAL-HEBA

CUSHION-

-PRESSURE (KG/CM2) - .020
 -AREA (CM2) ----- 650000

REMARKS:

PROPELLERS (FANS):

NUMBER ----- 2
 TYPE ----- SHROUDED, VARIABLE, REVER
 - PITCH
 BLADES (NR) ----- 6
 DIAMETER (MM) ----- 1500

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 900
 MAX SPEED (KT) ----- 45
 CRUIS SPEED (KT) ----- 30
 CRUIS RANGE (KM) ----- 252
 MAX ENDURANCE (HRS) ----- 3.5

CONTROLS:

DIRECTIONAL -- DIFFERENTIAL PROP PITCH, AERODYNA
 TRIM ----- FUEL BALLAST SKIRT LIFT

MISCELLANEOUS:

ELECTRONICS-
 -NAVIGATION ----- RADAR
 -COMMUNICATIONS ---- COMMERCIAL
 SKIRT-
 -TYPE ----- HDL, LOOP SKIRT AND FINGE
 -MATERIAL ----- RUBBER-NYLON SANDWICH
 -HEIGHT (MM) ----- 915
 VEH BODY CONST TYPE -- ALUMINUM ALLOY,
 ARMAMENT ----- N/A
 -
 -
 -

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-1525-35-1-11-B

NOMEN: AIR CUSHION VEHICLE ENFIELD EM.2

PRODUCED/ADOPTED: 1971-DATE/

CATALOG: TR-381-5-22

(OLD 34-1525-1-11)

COUNTRY: UNITED KINGDOM

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

ROM-1525-35-1-11-B

NOMEN: AIR CUSHION VEHICLE ENFIELD EM.2

PRODUCED/ADOPTED: 1971-DATE/

CATALOG: TB-381-5-22
TOLD 34-1525-1-11)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-1525-35-1-1-A

CATALOG: TB-381-5-22

NOMEN: AIR CUSHION VEHICLE, BH.7

(OLD 35-1525-1-1)

NATIVE DES: WELLINGTON CLASS, BH.7

COUNTRY: UNITED KINGDOM

PRODUCED/ADOPTED: 1970-DATE/

DATE UPDATED: 30AUG73

(U)THIS AIR CUSHION VEHICLE (ACV) IS BUILT BY THE BRITISH HOVERCRAFT CORPORATION (BHC) IN TWO VERSIONS. ONE WITH A COMPLETELY ENCLOSED CABIN AND ONE WITH A CLAMSHELL DOOR (PICTURED), AND THE BASIC LIFT-PROPULSION UNIT IS THE SAME AS THAT OF THE EARLIER SR.N4'S. THIS VEHICLE IS THE LARGEST ACV CONSIDERED FEASIBLE TO MOVE AS DECK CARGO ON SHIPS. A NEW PROPELLER MADE OF AN ALUMINUM SPAR COVERED BY A FIBERGLASS BLADE HAS BEEN SUCCESSFULLY TESTED ON THIS MACHINE.

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U N C L A S S I F I E D

FOM-1525-35-1-1-A
 NOMEN: AIR CUSHION VEHICLE, BH.7

CATALOG: TB-381-5-22
 (OLD 35-1525-1-1)
 COUNTRY: UNITED KINGDOM
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1970-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -EMPTY ----- 22680 (EST)
 -GROSS ----- 44,910
 CREW-NR ----- 3
 CARGO CAP (KG) ----- 14,970
 PASSENGER CAP (NR) --- 170

VEHICLE DIMENSIONS (MM):

LENGTH ----- 23,800
 WIDTH ----- 138,70
 HEIGHT-STATIC ----- 10050
 HEIGHT-OPERATING -----

PASSENGER COMPARTMENT-

-LENGTH ----- 12,200
 -WIDTH ----- 4300
 -HEIGHT ----- 2400

CARGO COMPARTMENT-

-LENGTH ----- 12,200
 -WIDTH ----- 4300
 -HEIGHT ----- 2400

POWERPLANT:

TYPE ----- MARINE GAS TURBINE
 MODEL(S) ----- ROLLS ROYCE PROTEUS 15M
 -
 NUMBER USED ----- 1
 MAX HP AT RPM ----- 4250 SHP
 FUEL-TYPE ----- KEROSENE
 FUEL CAP (LITERS) --- 3860 (NORMAL)

LIFT FANS:

NUMBER ----- 1
 DIAMETER (MM) ----- 3500
 TYPE ----- 12-BLADE CENTRIFUGAL
 -

CUSHION-

-PRESSURE (KG/CM2) - 3.16
 -AREA (CM2) ----- 3.3 MILLION (EST)

PROPELLERS (FANS):

NUMBER ----- 1
 TYPE ----- VARIABLE PITCH
 -
 BLADES (NR) ----- 4
 DIAMETER (MM) ----- 5800

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 1700
 MAX SPEED (KT) ----- 65
 CRUIS SPEED (KT) ----- 35-50
 CRUIS RANGE (KM) ----- 585
 MAX ENDURANCE (HRS) ----- 8 HRS

CONTROLS:

DIRECTIONAL -- SWIVELING PROP, PUFF PORTS
 TRIM ----- FUEL BALLAST, SKIRT LIFT

MISCELLANEOUS:

ELECTRONICS-
 -NAVIGATION ----- RADAR DECCA 202 AND OTHER
 -COMMUNICATIONS --- VARIETY
 SKIRT-
 -TYPE ----- BHC BAG AND FINGER
 -MATERIAL ----- NEOPRENE/NYLON LAMINATE
 -HEIGHT (MM) ----- 1680
 VEH BODY CONST TYPE -- LIGHT ALUMINUM ALLOY E G.
 ARMAMENT ----- VARIABLE
 -
 -

REMARKS:

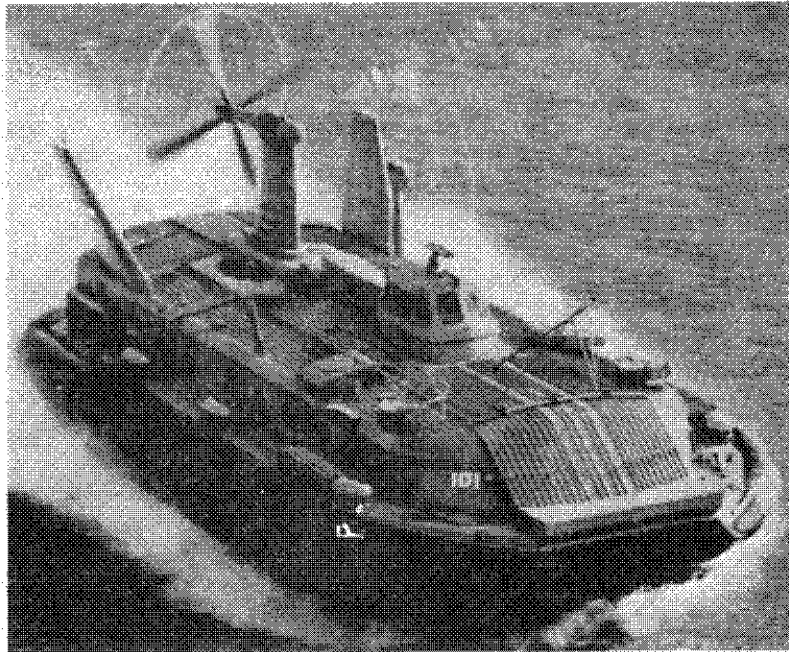
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-1525-35-1-1-8
NOMEN: AIR CUSHION VEHICLE, BH.7
PRODUCED/ADOPTED: 1970-DATE/

CATALOG: Tb-381-5-22
(OLD 35-1525-1-1)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-1525-35-1-1-B
NOMEN: AIR CUSHION VEHICLE, BH.7
PRODUCED/ADOPTED: 1970-DATE/

CATALOG: TB-381-5-22
(OLD 35-1525-1-1)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-2-A

CATALOG: TB-381-5-22

NGMEN: AIR CUSHION VEHICLE SR.N5

(OLD 35-1525-1-2)

NATIVE DES: WARDEN CLASS, SR. N5
PRODUCED/ADOPTED: 1964-1970/

COUNTRY: UNITED KINGDOM
DATE UPDATED: 30AUG73

THIS IS THE WORLD'S FIRST PRODUCTION AIR-CUSHION VEHICLE AND IS IN OPERATION IN ALL PARTS OF THE WORLD. IT IS PRODUCED IN A VARIETY OF DIFFERENT MODELS AND IS USED AS A MILITARY, COAST GUARD, EXPLOITATION, FIRE FIGHTING, AND COMMERCIAL PASSENGER VEHICLE. VARIATIONS OF THE SR.N5 HAVE BEEN RE-ENGINEED AND BUILT IN THE UNITED STATES BY BELL AEROSPACE AND DESIGNATED SR-5.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-2-A
 NOMEN: AIR CUSHION VEHICLE SR-N5

CATALOG: TB-381-5-22
 (OLD 35-1525-1-2)
 COUNTRY: UNITED KINGDOM
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1964-1970/

PHYSICAL DATA:

WEIGHT (KG)-
 -EMPTY ----- 7
 -GROSS ----- 6300
 CREW-NR ----- 2
 CARGO CAP (KG) ----- 2970
 PASSENGER CAP (NR) ----- 20

VEHICLE DIMENSIONS (MM):

LENGTH ----- 11,700
 WIDTH ----- 7000
 HEIGHT-STATIC ----- 4000
 HEIGHT-OPERATING ----- 5220
 PASSENGER COMPARTMENT-
 -LENGTH ----- 3600
 -WIDTH ----- 2300
 -HEIGHT ----- 1830
 CARGO COMPARTMENT-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HEIGHT ----- N/A

POWERPLANT:

TYPE ----- MARINE GAS TURBINE
 MODEL(S) ----- ROLLS ROYCE Gnome
 -
 NUMBER USED ----- 1
 MAX HP AT RPM ----- 900 SHP
 FUEL-TYPE ----- KEROSENE
 FUEL CAP (LITERS) ----- 1210 (NORMAL)

LIFT FANS:

NUMBER ----- 1
 DIAMETER (MM) ----- 2130
 TYPE ----- 12 BLADE CENTRIFUGAL

CUSHION-

-PRESSURE (KG/CM2) - 1.97
 -AREA (CM2) ----- 483080

REMARKS:

PROPELLERS (FANS):

NUMBER ----- 1
 TYPE ----- VARIABLE PITCH
 - REVERSABLE
 BLADES (NR) ----- 4
 DIAMETER (MM) ----- 2700

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 1100
 MAX SPEED (KT) ----- 60
 CRUIS SPEED (KT) ----- 35.40
 CRUIS RANGE (KM) ----- 219
 MAX ENDURANCE (HRS) ----- 4 HR

CONTROLS:

DIRECTIONAL -- AERO RUDDERS, PUFF PORTS
 TRIM ----- BALLAST, SKIRT LIFT ELEVATORS

MISCELLANEOUS:

ELECTRONICS-
 -NAVIGATION ----- DECCA 202
 -COMMUNICATIONS ----- VARIETY
 SKIRT-
 -TYPE ----- BHC BAG AND FINGER
 -MATERIAL ----- NEOPRENE COATED NYLON FAB
 -HEIGHT (MM) ----- 1220
 VEH BODY CONST TYPE -- AIRCRAFT LIGHT ALLOYS
 ARMAMENT ----- VARIABLE LIGHT
 - AUTOMATIC WEAPONS
 -
 -

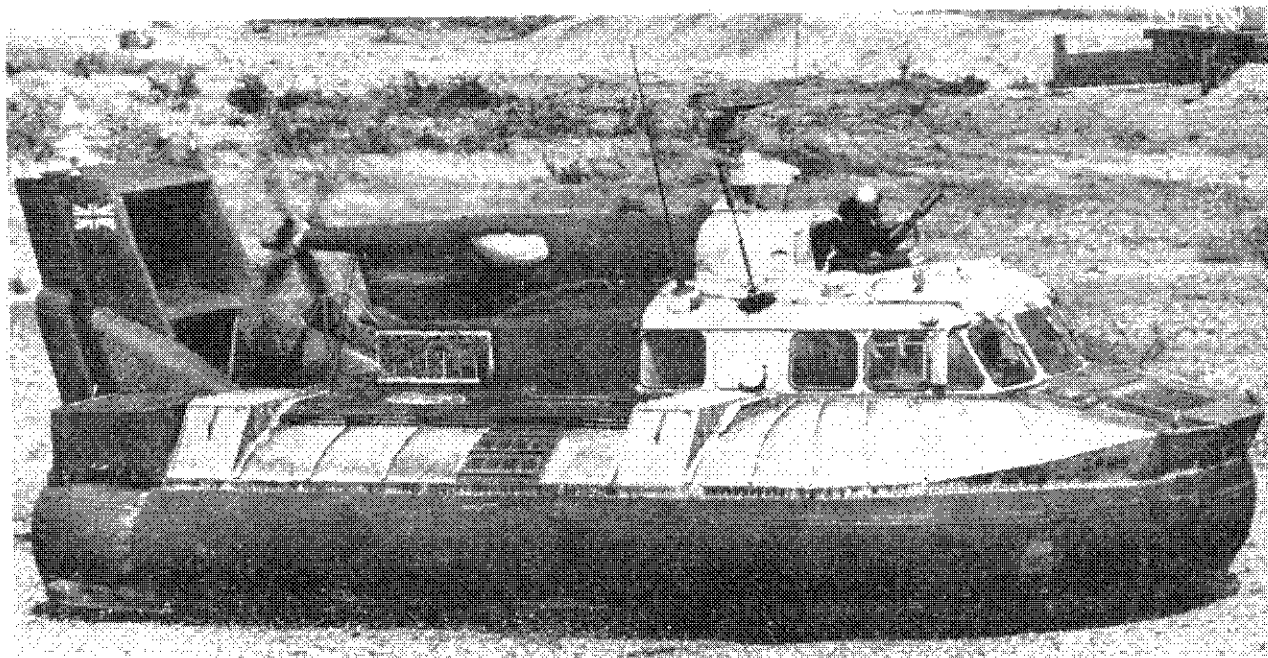
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U N C L A S S I F I E D

U N C L A S S I F I E D

POM-1525-35-1-2-0
NOMENT AIR CUSHION VEHICLE SR.Nº
PRODUCED/ADOPTED: 1964-1970/

CATALOG: T6-381-5-22
(OLD 35-1525-1-2)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 30AUG73



DATE CATALOGED: 01JUN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-2-B
NOMEN: AIR CUSHION VEHICLE SR.N5
PRODUCED/ADOPTED: 1964-1970/

CATALOG: T8-381-5-22
(OLD 35-1525-1-2)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-3-A

CATALOG: TB-381-5-22

NAME: AIR CUSHION VEHICLE, SR.N6

(OLD 35-1525-1-3)

NATIVE DES: WINCHESTER, SR. N6

COUNTRY: UNITED KINGDOM

PRODUCED/ADOPTED: 1965-DATE/

DATE UPDATED: 30AUG73

101SR.N6 IS ESSENTIALLY A STRETCHED VERSION OF THE SR.N5 (FOM-1525-35-1-2) AND HAS BEEN PRODUCED IN LARGER NUMBERS THAN ANY OTHER ACV TO DATE. LIKE THE SR.N5, IT TOO IS FOUND IN MANY AREAS OF THE WORLD. IN MANY MILITARY AND CIVILIAN VERSIONS. THE MILITARY LOGISTICS VERSION WITH EXTRA FUEL TANKS IS SHOWN.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-3-A
 NOMEN: AIR CUSHION VEHICLE, SR.N6

CATALOG: TB-381-5-22
 (OLD 35-1525-1-3)
 COUNTRY: UNITED KINGDOM
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1965-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -EMPTY ----- 5990
 -GROSS ----- 9980
 CREW-NR ----- 2
 CARGO CAP (KG) ----- 19800
 PASSENGER CAP (NR) ---- 35-38

VEHICLE DIMENSIONS (MM):

LENGTH ----- 14,780
 WIDTH ----- 7000
 HEIGHT-STATIC ----- 4600
 HEIGHT-OPERATING ----- 5790
 PASSENGER COMPARTMENT-
 -LENGTH ----- 6600
 -WIDTH ----- 2300
 -HEIGHT ----- 1830
 CARGO COMPARTMENT-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HEIGHT ----- N/A

POWERPLANT:

TYPE ----- MARINE GAS TURBINE
 MODEL(S) ----- ROLLS ROYCE Gnome
 -
 NUMBER USED ----- 1
 MAX HP AT RPM ----- 900 SHP
 FUEL-TYPE ----- KEROSENE
 FUEL CAP (LITERS) ---- 1210 (NORMAL)

LIFT FANS:

NUMBER ----- 1
 DIAMETER (MM) ----- 2130
 TYPE ----- 12 BLADE CENTRIFUGAL
 -

CUSHION-

-PRESSURE (KG/CM2) - 2.25
 -AREA (CM2) ----- 20,600

REMARKS:

1/

PROPELLERS (FANS):

NUMBER ----- 1
 TYPE ----- VARIABLE PITCH
 - REVERSABLE
 BLADES (NR) ----- 4
 DIAMETER (MM) ----- 2740

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 1070
 MAX SPEED (KT) ----- 52
 CRUIS SPEED (KT) ----- 30-35
 CRUIS RANGE (KMT) ----- 219
 MAX ENDURANCE (HRS) ----- 4

CONTROLS:

DIRECTIONAL -- AERO RUDDERS, PUFF PORTS
 TRIM ----- ELEVATORS, SKIRT LIFT, BALLAST

MISCELLANEOUS:

ELECTRONICS-
 -NAVIGATION ----- DECCA 202
 -COMMUNICATIONS ---- VARIETY
 SKIRT-
 -TYPE ----- BHC 50% BAG AND FINGER
 -MATERIAL ----- NEOPRENE-COATED NYLON
 -HEIGHT (MM) ----- 1220
 VEH BODY CONST TYPE -- LIGHT AIRCRAFT ALLOYS
 ARMAMENT ----- VARIABLE
 -
 -

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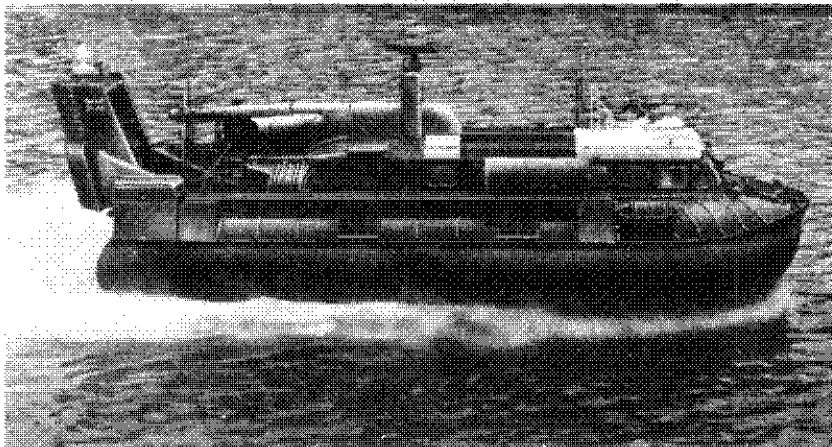
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U N C L A S S I F I E D

FOM-1525-35-1-3-8
NOMEN: AIR CUSHION VEHICLE, SR.N6

PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-5-22
TOLD 35-1525-1-31
COUNTRY: UNITED KINGDOM
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-3-B
NOMEN: AIR CUSHION VEHICLE, SR.N6

PRODUCED/ADOPTED: 1965-DATE/

CATALOG: T8-381-5-22
(OLD 35-1525-1-3)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM 1525-35-1-4-A

CATALOG: TB-381-5-22

NOMEN: AIR CUSHION VEHICLE, CUSHION CRAFT CC-7

(OLD 35-1525-1-4)

NATIVE DES: CC-7

COUNTRY: UNITED KINGDOM

PRODUCED/ADOPTED: 1969-DATE/

DATE UPDATED: 08SEP73

(U)THE CC-7 IS A MEDIUM-SIZE AMPHIBIOUS ACV BUILT BY CUSHIONCRAFT LTD ON THE ISLE OF WIGHT. BE-
CAUSE IT USES TWO CENTRIFUGAL FANS FOR BOTH LIFT AND PROPULSION, THIS MACHINE IS UNIQUE AMONG PRO-
DUCTION ACV'S. PART OF THE AIR IS CHanneLED TO THE PLENUM FOR LIFT AND APPROXIMATELY TWO-THIRDS OF
THE AIR FROM EACH FAN IS DUCTED TO THE REAR FOR PROPULSION. FOR REVERSE AND STEERING, THE REAR
PROPULSION DUCTS MAY BE BLOCKED AND THE AIR SHOT FORWARD. THIS CONCEPT ALLOWS FOR
QUIETER OPERATION, WHICH IS MILITARY IMPORTANT. A SECOND UNUSUAL FEATURE IS THAT THE SIDE DECKS
INFLATE SIMULTANEOUSLY WITH THE SKIRT. WHEN DEFLATED, THE SIZE OF THE MACHINE IS GREATLY REDUCED
FOR EASY TRANSPORT BY AIR OR TRUCK.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-4-A

NOMEN: AIR CUSHION VEHICLE, CUSHION CRAFT CC-7

PRODUCED/ADOPTED: 1969-DATE/

CATALOG: TB-381-5-22
 (OLD 35-1525-1-4)
 COUNTRY: UNITED KINGDOM
 DATE UPDATED: 08SEP73

PHYSICAL DATA:

WEIGHT (KG)-

-EMPTY ----- 1590
 -GROSS ----- 2950
 CREW-NR ----- 1
 CARGO CAP (KG) ----- 1360
 PASSENGER CAP (NR) --- 10

VEHICLE DIMENSIONS (MM):

LENGTH ----- 7470
 WIDTH ----- 4630
 HEIGHT-STATIC ----- 1770
 HEIGHT-OPERATING ----- 2380
 PASSENGER COMPARTMENT-
 -LENGTH ----- 2
 -WIDTH ----- 2
 -HEIGHT ----- 2
 CARGO COMPARTMENT-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HEIGHT ----- N/A

POWERPLANT:

TYPE ----- FREE TURBINE
 MODEL(S) ----- UNITED AIRCRAFT OF
 ----- CANADA ST-68
 NUMBER USED ----- 1
 MAX HP AT RPM ----- 390 SHP
 FUEL-TYPE ----- KEROSENE
 FUEL CAP (LITERS) ----- 2

LIFT FANS:

NUMBER ----- 2
 DIAMETER (MM) ----- 1070
 TYPE ----- CENTRIFUGAL

CUSHION-

-PRESSURE (KG/CM2) - .661
 -AREA (CM2) ----- 2.16 MILLION

PROPELLERS (FANS):

NUMBER ----- 2
 TYPE ----- USES JET FROM LIFT FAN
 ----- FOR PROPULSION AND LIFT
 BLADES (NR) ----- N/A
 DIAMETER (MM) ----- N/A

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 610
 MAX SPEED (KT) ----- 40
 CRUIS. SPEED (KT) ----- 35
 CRUIS. RANGE (KM) ----- 160
 MAX ENDURANCE (HRS) ----- 3 HR(+3 W AUX TANKS)

CONTROLS:

DIRECTIONAL -- DIFFERENTIAL FAN THRUST,
 TRIM ----- #1

MISCELLANEOUS:

ELECTRONICS-
 -NAVIGATION ----- YES
 -COMMUNICATIONS ---- VARIETY
 SKIRT-
 -TYPE ----- HDL LOOP AND FINGER
 -MATERIAL ----- NYLON COATED FABRIC
 -HEIGHT (MM) ----- N/A
 VEH BODY CONST TYPE -- FIBER GLASS-ALUMINUM
 ARMAMENT ----- N/A
 -
 -
 -

REMARKS:

1/ REVERSING LOUVERS, AERO RUDDERS BALLAST

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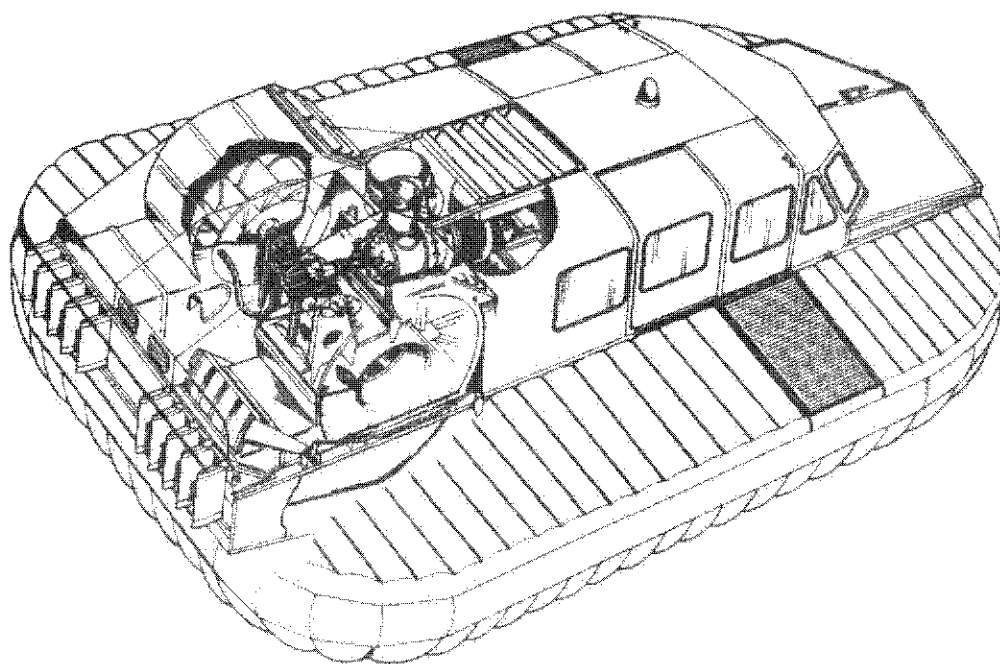
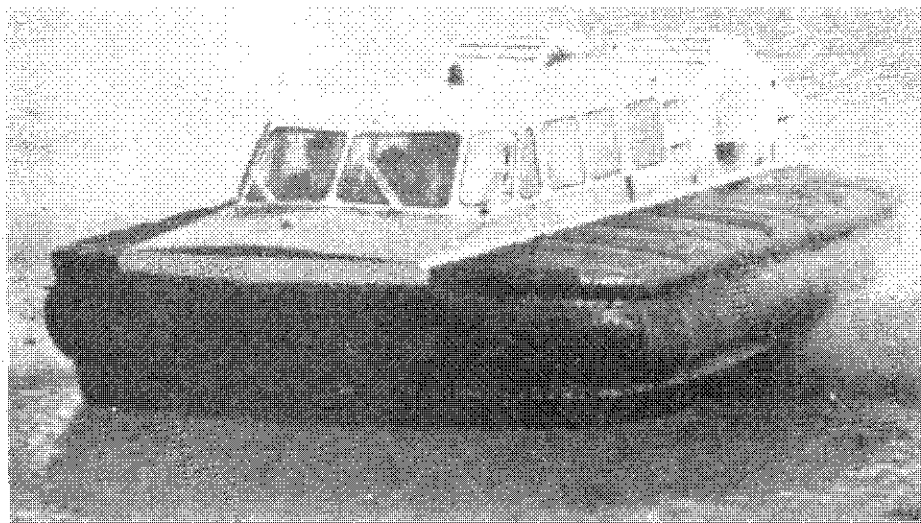
U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-4-B
NOMEN: AIR CUSHION VEHICLE, CUSHION CRAFT CG-7

PRODUCED/ADOPTED: 1969-DATE/

CATALOG: 18-381-5-22
(OLD 35-1525-1-4)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 08SEP73



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U N C L A S S I F I E D

FOM-1525-35-1-4-8

NOMEN: AIR CUSHION VEHICLE, CUSHION CRAFT CC-7

PRODUCED/ADOPTED: 1969-DATE/

CATALOG: TB-381-5-22

(OLD 35-1525-1-4)

COUNTRY: UNITED KINGDOM

DATE UPDATED: 08SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-1525-35-1-6-A

CATALOG: TB-381-5-22

NOMEN: AIR CUSHION VEHICLE SR.N6 MK5

(OLD 35-1525-1-6)

NATIVE DES: SR. N6MK5

COUNTRY: UNITED KINGDOM

PRODUCED/AADOPTED: 1972-DATE/

DATE UPDATED: 13SEP73

(U)THE SR.N6 MK5 WAS BUILT BY THE BRITISH HOVERCRAFT CORPORATION FOR BRITISH ARMY USE IN TRANSPORT-
ING VEHICLES, THE SWEDISH BV 202 SNOW VEHICLE IN PARTICULAR, FOR USE ON THE NORTHERN FLANK
OF NATO. THE BASIC STRUCTURE AND CONTROLS WERE TAKEN FROM THE CANABALIZED SR. N5'S. THESE
WERE LENGTHENED, FLAT SIDE DECKS WERE INSTALLED OVER THE PREVIOUS CURVED PLENUM CHAMBER, AND
A CONTROL CAB AND SMALL PASSENGER ENCLOSURE HAVE BEEN MOVED TO THE FORWARD OUTSIDE EDGES. THE
CARGO DECK IS 9144 X 2286 MM AND HAS A RAMP/DOOR ON THE FORWARD END. EXTRA FUEL TANKS HAVE BEEN
ADDED TO INCREASE THE ENDURANCE OVER THE STANDARD SR.N6

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-1525-35-1-6-A
 NOMEN: AIR CUSHION VEHICLE SR.N6 MK9

CATALOG: T8-381-5-22
 (OLD 35-1525-1-6)
 COUNTRY: UNITED KINGDOM
 DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: 1972-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -EMPTY ----- ?
 -GROSS ----- 13950
 CREW-NR ----- 2
 CARGO CAP (KG) ----- ?
 PASSENGER CAP (NR) --- 4

VEHICLE DIMENSIONS (MM):

LENGTH ----- 16155
 WIDTH ----- 7000
 HEIGHT-STATIC ----- 4600
 HEIGHT-OPERATING ----- 5800
 PASSENGER COMPARTMENT-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HEIGHT ----- N/A
 CARGO COMPARTMENT-
 -LENGTH ----- 10400
 -WIDTH ----- 2290
 -HEIGHT ----- OPEN DECK

POWERPLANT:

TYPE ----- MARINE GAS TURBINE
 MODEL(S) ----- ROLLS ROYCE Gnome
 -
 NUMBER USED ----- 1
 MAX HP AT RPM ----- 1000 SHP CONTINUOUS
 FUEL-TYPE ----- KEROSENE
 FUEL CAP (LITERS) --- ?

LIFT FANS:

NUMBER ----- 1
 DIAMETER (MM) ----- 2100
 TYPE ----- CENTRIFUGAL

CUSHION-

-PRESSURE (KG/CM2) ~ ?
 -AREA (CM2) ----- 1.11 MILLION

PROPELLERS (FANS):

NUMBER ----- 1
 TYPE ----- DOWTY ROTOL METAL
 - REVERSIBLE
 BLADES (NR) ----- 4
 DIAMETER (MM) ----- 2700

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 1200
 MAX SPEED (KT) ----- 50 KNOTS
 CRUIS SPEED (KT) ----- 40-45 KNOTS
 CRUIS RANGE (KM) ----- ?
 MAX ENDURANCE (HRS) ----- ?

CONTROLS:

DIRECTIONAL -- AERO RUDDERS, PUFF PORTS, SKIRT L
 TRIM ----- FUEL BALLAST

MISCELLANEOUS:

ELECTRONICS-
 -NAVIGATION ----- NAVIGATION DECCA 202
 -COMMUNICATIONS ---- MILITARY MIX
 SKIRT-
 -TYPE ----- BHC BAG AND FINGER
 -MATERIAL ----- NEOPRENE COATED NYLON
 -HEIGHT (MM) -----
 VEH BODY CONST TYPE -- AIRCRAFT TYPE ALUMINUM
 ARMAMENT ----- NONE
 -
 -
 -

REMARKS:

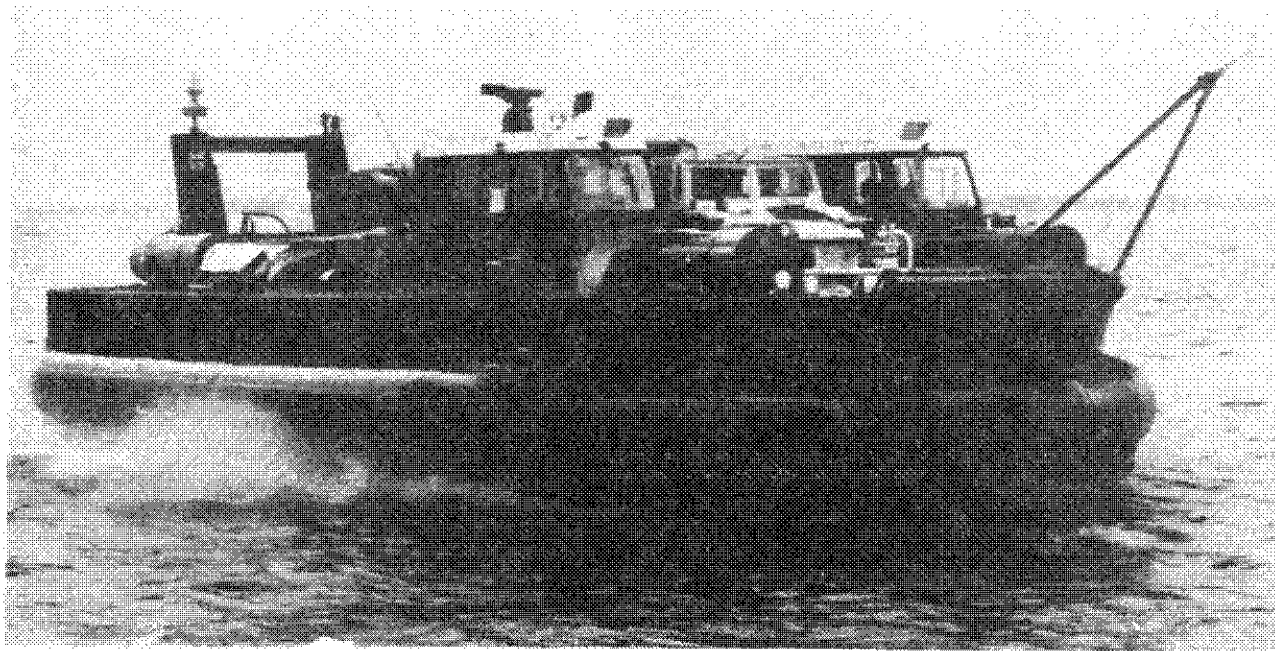
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-6-5
NOMEN: AIR CUSHION VEHICLE SR.N6 MK5
PRODUCED/ADOPTED: 1972-DATE/

CATALOG: TB-381-5-22
IOLD 35-1525-1-6/1
COUNTRY: UNITED KINGDOM
DATE UPDATED: 13SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-6-B
NOMEN: AIR CUSHION VEHICLE SR.No MK5
PRODUCED/ADOPTED: 1972-DATE7

CATALOG: TB-381-9-22
(OLD 35-1525-1-6)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 13SEP73

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DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-1525-35-1-7-A

CATALOG: 7B-381-5-22

NOMEN: AIR CUSHION VEHICLE SR. N4

(OLD 35-1525-1-7)

NATIVE DES: SR.N4 MOUNTBATTEN CLASS

COUNTRY: UNITED KINGDOM

PRODUCED/ADOPTED: 1967-DATE/

DATE UPDATED: 13SEP73

(U)THE SR.N4 IS THE FREE WORLD'S LARGEST SELF-PROPELLED ACV. IT IS USED AS A FAST CAR AND PASS-
ENGER FERRY ACROSS THE ENGLISH CHANNEL. STEERING IS ACCOMPLISHED BY USING TWO AERODYNAMIC
RUDDERS, DIFFERENTIAL PROPELLER PITCH, AND DEVICES WHICH ALLOW THE PROPELLERS TO SWIVEL FOR
DIRECTIONAL THRUST. IT HAS ROLL/ON ROLL/OFF CAPACITY OF 34 EUROPEAN CARS PLUS 250 PASSENGERS.
THE FIFTH CRAFT OF THIS SERIES BECAME OPERATIONAL IN THE SUMMER OF 1972.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-7-A
NOMEN: AIR CUSHION VEHICLE SR. N4CATALOG: TB-381-S-22
(OLD 35-1525-1-7)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: 1967-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
-EMPTY ----- 104782
-GROSS ----- 179626
CREW-NR ----- 4
CARGO CAP (KG) ----- 35 AUTOMOBILES
PASSENGER CAP (NR) --- 250

PROPELLERS (FANS):

NUMBER ----- 4
TYPE ----- HAWKER SIDDELEY VARIABLE
- PITCH REVERSABLE
BLADES (NR) ----- 4
DIAMETER (MM) ----- 5800

VEHICLE DIMENSIONS (MM):

LENGTH ----- 39650
WIDTH ----- 2400
HEIGHT-STATIC ----- 11490
HEIGHT-OPERATING ----- 13930
PASSENGER COMPARTMENT-
-LENGTH ----- ?
-WIDTH ----- ?
-HEIGHT ----- ?
CARGO COMPARTMENT-
-LENGTH ----- *3 ?
-WIDTH ----- ?
-HEIGHT ----- ?

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 2400
MAX SPEED (KT) ----- 65
CRUISE SPEED (KT) ----- 50
CRUISE RANGE (KM) ----- 560
MAX ENDURANCE (HRS) ----- 5

CONTROLS:

DIRECTIONAL -- SWIVELING PROPS, RUDDERS
TRIM ----- BALLAST

MISCELLANEOUS:

ELECTRONICS-
-NAVIGATION ----- NAVIGATIONAL
-COMMUNICATIONS --- CIVILIAN MIX
SKIRT-
-TYPE ----- BHC BAG & FINGER - TAPPER
-MATERIAL ----- NEOPRENE-COATED NYLON MES
-HEIGHT (MM) ----- 2440
VEH BODY CONST TYPE -- AIRCRAFT-TYPE ALUMINUM
ARMAMENT ----- N/A
-
-
-

POWERPLANT:

TYPE ----- MARINE FREE TURBINE
MODEL(S) ----- ROLLS ROYCE PROTEUS
-
NUMBER USED ----- 4
MAX HP AT RPM ----- 3400 SHP CONT. 4250 SHP M
FUEL-TYPE ----- KEROSENE
FUEL CAP (LITERS) --- 13600

LIFT FANS:

NUMBER ----- 4
DIAMETER (MM) ----- 3510
TYPE ----- CENTRIFUGAL (12 BLADE)

CUSHION-

-PRESSURE (KG/CM2) - .024
-AREA (CM2) ----- ?

REMARKS:

3/ CARGO AREA: 538.8 SQ MTR

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-1525-35-1-7-B
NOMEN: AIR CUSHION VEHICLE SR. N4

PRODUCED/ADOPTED: 1967-DATE/

CATALOG: FB-381-5-22
(OLD 35-1525-1-7)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 13SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-1525-35-1-7-B
NOMEN: AIR CUSHION VEHICLE SR. N4
PRODUCED/ADOPTED: 1967-DATE/

CATALOG: TB-381-5-22
(OLD 35-1525-1-7)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 13SEP73

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U N C L A S S I F I E D

FCM-1525-35-1-9-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: AIR CUSHION VEHICLE VT-1

(GLD 35-1525-1-9)

NATIVE DES: WOSPER THORNYCROFT, VT-1
PRODUCED/ADOPTED: 1970-DATE/

COUNTRY: UNITED KINGDOM
DATE UPDATED: 13SEP73

(U) THIS CRAFT IS THE FIRST LARGE FULLY SKIRT NON-AMPHIBIOUS ACV TO BE BUILT. IT IS HIGHLY MANEUVERABLE, FAST AND MORE ECONOMICAL FOR OVER-WATER OPERATIONS THAN AIR PROPELLER MACHINES. ON CUSHION IT ONLY DRAWS 1067 MM OF WATER AT SPEED. CURRENT MISSILE ARMED DERIVATIVE IS PLANNED.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-1525-35-1-9-4
NOMEN: AIR CUSHION VEHICLE VT-1

CATALOG: TB-381-5-22
(OLD 35-1525-1-9)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: 1970-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
-EMPTY ----- 49896
-GROSS ----- 78926
CREW-NR ----- 3
CARGO CAP (KG) ----- 31,725
PASSENGER CAP (NR) ----- 146

VEHICLE DIMENSIONS (MM):

LENGTH ----- 29110
WIDTH ----- 13560
HEIGHT-STATIC ----- 9800
HEIGHT-OPERATING ----- ?
PASSENGER COMPARTMENT-
-LENGTH ----- *1 7300
-WIDTH ----- 4100
-HEIGHT ----- 2300
CARGO COMPARTMENT-
-LENGTH ----- 24200
-WIDTH ----- 5180
-HEIGHT ----- 2930

POWERPLANT:

TYPE ----- MARINE GAS TURBINES
MODEL(S) ----- LYCOMING TP 2030
NUMBER USED ----- 2
MAX HP AT RPM ----- 1675-2000 SHP EA
FUEL-TYPE ----- KEROSENE
FUEL CAP (LITERS) ----- 16,460

LIFT FANS:

NUMBER ----- 8
DIAMETER (MM) ----- 1500
TYPE ----- CENTRIFUGAL (FIBER GLASS)

CUSHION-

-PRESSURE (KG/CM2) - ?
-AREA (CM2) ----- 3.24 MILLION

REMARKS:

1/ FOUR PASSENGER CABINS
OF FOLLOWING DEMENSIONS
EACH.

PROPELLERS (FANS):

NUMBER ----- 2
TYPE ----- STONE KA ME WA
BLADES (NR) ----- 3
DIAMETER (MM) ----- 640

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 0
MAX SPEED (KT) ----- 46
CRUIS SPEED (KT) ----- 38
CRUIS RANGE (KM) ----- 634
MAX ENDURANCE (HRS) ----- 9

CONTROLS:

DIRECTIONAL -- DIFFERENTIAL PROP PITCH, RUDDERS
TRIM ----- BALLAST

MISCELLANEOUS:

ELECTRONICS-
-NAVIGATION ----- YES-NAVIGATION
-COMMUNICATIONS ----- -COMMUNICATIONS ----
SKIRT-
-TYPE ----- HDL LOOP AND FINGER
-MATERIAL ----- RUBBERIZED NYLON MESH
-HEIGHT (MM) ----- ?
VEH BODY CONST TYPE -- LGT ALUMINUM MARINE ALLOY
ARMAMENT ----- N/A

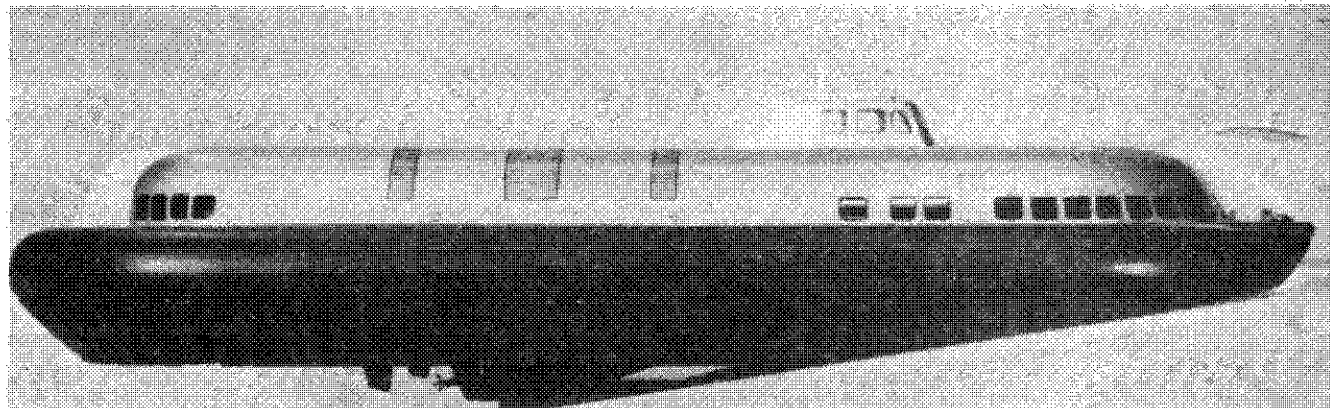
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-9-B
NOMEN: AIR CUSHION VEHICLE VT-1
PRODUCED/ADOPTED: 1970-DATE/

CATALOG: 18-391-5-22
(OLD 35-1525-1-91)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 13SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-9-8
NOMEN: AIR CUSHION VEHICLE VT-1
PRODUCED/ADOPTED: 1970-DATE/

CATALOG: T8-381-5-22
(OLD 35-1525-1-9)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 13SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-1525-35-1-10-A

CATALOG: TB-381-5-22

NOMEN: AIR CUSHION VEHICLE, HOVERTRAILER, MODEL 101

(OLD 35-1525-1-10)

NATIVE DES: HOVERTRAILER, MODEL HTL 101

COUNTRY: UNITED KINGDOM

PRODUCED/ADOPTED: 1970-DATE/

DATE UPDATED: 30AUG73

(U)THIS HOVERTRAILER IS THE SMALLEST OF A SERIES OF TOWED AIR CUSHION TRAILERS WHICH INCLUDE MAXIMUM LOAD RANGES OF UP TO 19800 KG. THIS RANGE OF VEHICLES IS BUILT BY HOVERCRAFT INTERNATIONAL LTD. IN SOUTHAMPTON ENGLAND, WHICH IS A DIVISION OF AIR CUSHION EQUIPMENT LTD. (AEC). THE HOVERTRAILER CAN HAVE HYDRAULICALLY CONTROLLED TRAILING WHEELS ATTACHED TO INCREASE DIRECT-
TUNAL CONTROL. THEY CAN BE USED TO HAUL CARGO, PIPELINE OR DRILLING EQUIPMENT, OR ANY TYPE OF HEAVY LOAD OVER SOFT SOIL, SWAMP, OR LAND.

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U N C L A S S I F I E D

FOM-1525-39-1-10-A

NOMEN: ATR CUSHION VEHICLE, HOVERTRAILER, MODEL 101

CATALOG: TB-381-5-22
 (OLD 35-1525-1-10)
 COUNTRY: UNITED KINGDOM
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1970-DATE/

PHYSICAL DATA:

WEIGHT (KG):

-EMPTY ----- 4173
 -GROSS ----- 15240
 CREW-NR ----- 1
 CARGO CAP (KG) ----- 10000
 PASSENGER CAP (NR) --- N/A

VEHICLE DIMENSIONS (MM):

LENGTH ----- 9800
 WIDTH ----- 4110
 HEIGHT-STATIC ----- 2
 HEIGHT-OPERATING --- VARIABLE
 PASSENGER COMPARTMENT-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HEIGHT ----- N/A
 CARGO COMPARTMENT-
 -LENGTH ----- 6710
 -WIDTH ----- 2930
 -HEIGHT ----- OPEN DECK

POWERPLANT:

TYPE ----- DIESEL
 MODEL(S) ----- CATERPILLAR
 -
 NUMBER USED ----- 1
 MAX HP AT RPM ----- 140 B.H.P.
 FUEL-TYPE ----- DIESEL
 FUEL CAP (LITERS) --- 2

LIFT FANS:

NUMBER ----- 1
 DIAMETER (MM) ----- APPROX 1500
 TYPE ----- CENTRIFUGAL

CUSHION-

-PRESSURE (KG/CM2) - .73
 -AREA (CM2) ----- 2

REMARKS:

1/ NON-SELF PROPELLED; DRAWBAR
 PULL FOR 10,000 KG LOAD = 300 KG

PROPELLERS (FANS):

NUMBER ----- *1
 TYPE ----- N/A
 -
 BLADES (NR) ----- N/A
 DIAMETER (MM) ----- N/A

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 610
 MAX SPEED (KT) ----- N/A
 CRUISE SPEED (KT) ----- 8 (TOWED SPEED)
 CRUISE RANGE (KM) ----- N/A
 MAX ENDURANCE (HRS) ----- N/A

CONTROLS:

DIRECTIONAL -- SOME HAVE TRAILING WHEELS
 TRIM ----- NONE

MISCELLANEOUS:

ELECTRONICS-
 -NAVIGATION ----- NONE
 -COMMUNICATIONS --- NONE
 SKIRT-
 -TYPE ----- HDL LOOP AND FINGER
 -MATERIAL ----- RUBBER/NYLON MESH LAMINAT
 -HEIGHT (MM) ----- 304 TO 914
 VEH BODY CONST TYPE -- WELDED STEEL
 ARMAMENT ----- N/A
 -
 -
 -

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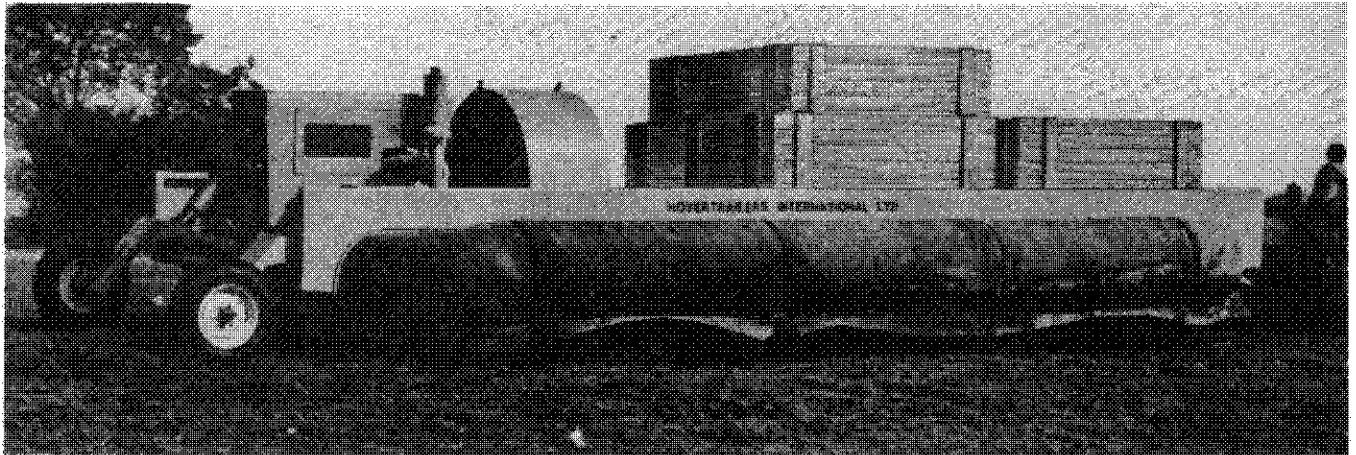
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U N C L A S S I F I E D

FOM-1525-35-1-10-B
NOMEN: AIR CUSHION VEHICLE, HOVERTRAILER, MODEL 101

CATALOG: TB-361-5-22
(OLD 35-1525-1-10)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1970-DATE/



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-35-1-10-8

NOMEN: AIR CUSHION VEHICLE, HOVERTRAILER, MODEL 101

PRODUCED/ADOPTED: 1970-DATE/

CATALOG: TB-381-5-22

(OLD 35-1525-1-10)

COUNTRY: UNITED KINGDOM

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

EDM-1525-38-1-1-A

CATALOG: T8-381-5-22

NOMEN: AIR CUSHION VEHICLE MODEL 7389 "VOYAGEUR"

(OLD 38-1525-1-1)

NATIVE DES: "VOYAGEUR"

COUNTRY: CANADA

PRODUCED/ADOPTED: 1971-DATE/

DATE UPDATED: 30AUG73

(U)"VOYAGEUR" IS PRODUCED BY BELL AEROSPACE CANADA FOR USE AS A HEAVY HAUL CARGO VEHICLE. THE 22500 KG. PAYLOAD EQUALS THAT OF MANY TRANSPORT AIRCRAFT USED IN SUPPLY OPERATIONS IN THE ARCTIC (C-130HERCULES). THIS ACV HAS THE POTENTIAL CAPABILITY OF PROVIDING A DIRECT TRANSPORT LINK FROM SCATTERED AIRSTRIPS TO SUPPORT BASES OR MILITARY OPERATIONAL UNITS. "VOYAGEUR" CAN OPERATE IN WEATHER IN WHICH HELICOPTERS ARE BOTH INOPERATIVE AND EXPENSIVE TO MAINTAIN. IT IS OF MODULAR CONSTRUCTION, AND CAN BE READILY DISASSEMBLED INTO EASILY HANDLED UNITS FOR TRANSPORT BY RAIL, AIR OR ROAD, AND QUICKLY REASSEMBLED ON SITE.

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U N C L A S S I F I E D

FQM-1525-38-1-1-A
 NOMEN: AIR CUSHION VEHICLE MODEL 7380 "VOYAGEUR"

CATALOG: 18-381-5-22
 (OLD 38-1525-1-1)
 COUNTRY: CANADA
 DATE UPDATED: 30AUG79

PRODUCED/ADOPTED: 1971-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -EMPTY ----- 15192
 -GROSS ----- 37650
 CREW-NR ----- 2 PLUS 6 PASSENGERS
 CARGO CAP (KG) ----- 2250
 PASSENGER CAP (NR) --- N/A

VEHICLE DIMENSIONS (MM):

LENGTH ----- 19660
 WIDTH ----- 10210
 HEIGHT-STATIC ----- 5670
 HEIGHT-OPERATING ----- 6710
 PASSENGER COMPARTMENT-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HEIGHT ----- N/A
 CARGO COMPARTMENT-
 -LENGTH ----- 12190
 -WIDTH ----- 10210
 -HEIGHT ----- OPEN DECK

POWERPLANT:

TYPE ----- UNITED AIRCRAFT CANADA TW
 MODEL(S) ----- ST-6B
 -
 NUMBER USED ----- 2 UNITS 2 ENGINES EACH
 MAX HP AT RPM ----- 1300 SHP EACH, 1700 MAX
 FUEL-TYPE ----- KEROSENE
 FUEL CAP (LITERS) ----- 8990

LIFT FANS:

NUMBER ----- 2
 DIAMETER (MM) ----- 2100
 TYPE ----- CENTRIFUGAL

CUSHION-

-PRESSURE (KG/CM2) - .18-.21
 -AREA (CM2) ----- 13,626

PROPELLERS (FANS):

NUMBER ----- 2
 TYPE ----- HAMILTON STANDARD VARIABLE
 - REVERSEABLE
 BLADES (NR) ----- 3
 DIAMETER (MM) ----- 2700

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 1070
 MAX SPEED (KT) ----- 43 KT
 CRUIS SPEED (KT) ----- 40 KT
 CRUIS RANGE (KM) ----- 834
 MAX ENDURANCE (HRS) ----- 10-12 HR (NO CARGO)

CONTROLS:

DIRECTIONAL -- PUFF PORTS-AERODYNAMIC RUDDERS, D
 TRIM ----- FUEL BALLAST, PITCH

MISCELLANEOUS:

ELECTRONICS-
 -NAVIGATION ----- YES
 -COMMUNICATIONS ---- VARIETY
 SKIRT-
 -TYPE ----- 50% FINGER - 5HC
 -MATERIAL ----- NEOPRENE COATED NYLON MES
 -HEIGHT (MM) ----- 1220
 VEH BODY CONST TYPE -- ALUMINUM HOLLOW CORE PLKS
 ARMAMENT ----- N/A
 -
 -

REMARKS:

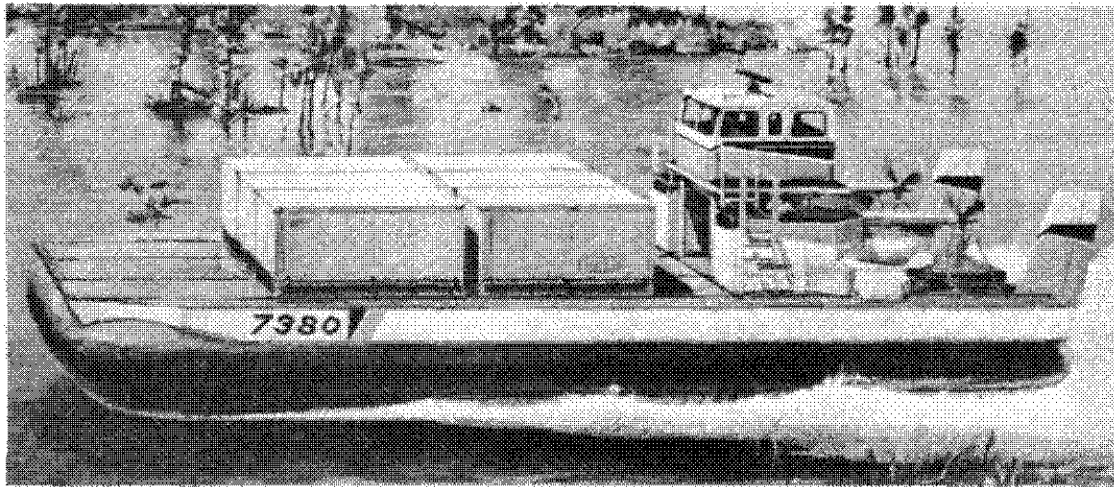
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-38-1-1-B
NOMEN: AIR CUSHION VEHICLE MODEL 7380 "VOYAGEUR"
PRODUCEU/ADOPTED: 1971-DATE/

CATALOG: TB-381-5-22
(OLD 38-1525-1-1)
COUNTRY: CANADA
DATE UPDATED: 30AUG73



DATE CATALOGED: 01NOV72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-1525-38-1-1-B
NOMEN: AIR CUSHION VEHICLE MODEL 7380 "VOYAGEUR"
PRODUCED/ADOPTED: 1971-DATE/

CATALOG: TS-381-5-22
IOLD 38-1525-1-11
COUNTRY: CANADA
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FORM-1525-41-1-1-A

U N C L A S S I F I E D

CATALOG: TB-391-5-22

NOMEN: AIR CUSHION VEHICLE G-6

(OLD 41-1525-1-1)

NATIVE DES: G-6

COUNTRY: AUSTRALIA

PRODUCED/ADAPTED: 1970-DATE/

DATE UPDATED: 30AUG73

CUIMOVERGEM AUSTRALASIA PTY., LTD. OF AUSTRALIA HAS COMPLETED TESTING OF A NEW LOGISTICS ACV THE G-6. THE CRAFT CAN OPERATE WITH A 990 KG CARGO LOAD IN WINDS UP TO 25KT, CLEAR A 762 MM OBSTACLE, AND NEGOTIATE SLOPES UP TO 12 PERCENT. THE DRIVER'S CAB IS ELEVATED TO ASSURE 360-DEGREE VISIBILITY.

CUIMOVERGEM HAS DESIGNED THE G-6 TO OPERATE AWAY FROM FIXED BASES. TO FACILITATE THIS, THEY HAVE INSTALLED STANDARD RECIPROCATING ENGINES AND STANDARD PROPELLERS. THE UNIQUE MAINTENANCE FEATURE OF THIS CRAFT IS A SYSTEM OF FOUR BUILT-IN HYDRAULIC JACKS DRIVEN BY THE ENGINE. THIS JACK SYSTEM CAN LIFT THE CRAFT OFF ANY REASONABLY FIRM GROUND TO PERMIT UNDERSKIRT WORK. THIS ALLEVIATES THE NECESSITY FOR LARGE CRANES PREVIOUSLY USED FOR REGULAR ACV MAINTENANCE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-41-1-1-A
 NOMEN: AIR CUSHION VEHICLE G-6

CATALOG: TB-381-5-22
 (OLD 41-1525-1-1)
 COUNTRY: AUSTRALIA
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1970-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -EMPTY ----- 2160
 -GROSS ----- 3900
 CREW-NR ----- 1 CREW +4 PASS IN CAB
 CARGO CAP (KG) ----- 990
 PASSENGER CAP (NR) --- 4 PASS IN CAB

VEHICLE DIMENSIONS (MM):

LENGTH ----- 9910
 WIDTH ----- 5200
 HEIGHT-STATIC ----- 2900
 HEIGHT-OPERATING ----- 3810
 PASSENGER COMPARTMENT-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HEIGHT ----- N/A

CARGO COMPARTMENT-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HEIGHT ----- OPEN DECK

POWERPLANT:

TYPE ----- RECIP AIR COOLED
 MODEL(S) ----- LYCOMING O-640
 -
 NUMBER USED ----- 2
 MAX HP AT RPM ----- 320 HP EACH AT 2700 RPM
 FUEL-TYPE ----- 100 OCTANE AV GAS
 FUEL CAP (LITERS) --- 300

LIFT FANS:

NUMBER ----- 2
 DIAMETER (MM) ----- 1220
 TYPE ----- AXIAL FLOW 12 BLADE

CUSHION-

-PRESSURE (KG/CM2) - .0078 (LOADED)
 -AREA (CM2) ----- 483000

PROPELLERS (FANS):

NUMBER ----- 2
 TYPE ----- CONTROLLABLE-REVERSE-
 ABLE PITCH HARTZELL PUSHE
 BLADES (NR) ----- 2
 DIAMETER (MM) ----- 1830

PERFORMANCE:

SOLID OBSTACLE CLEAR (MM) - 762
 MAX SPEED (KT) ----- 61
 CRUIS SPEED (KT) ----- 26 TO 44
 CRUIS RANGE (KM) ----- 148-240
 MAX ENDURANCE (HRS) ----- 3

CONTROLS:

DIRECTIONAL -- DIFFERENTIAL PROP PITCH, AERODYNA
 TRIM ----- WATER BALLAST

MISCELLANEOUS:

ELECTRONICS-
 -NAVIGATION ----- NO
 -COMMUNICATIONS --- COMMERCIAL
 SKIRT-
 -TYPE ----- DEEP BAG
 -MATERIAL ----- LINATEX RUBBER SHEET
 -HEIGHT (MM) ----- 915
 VEH BODY CONST TYPE -- ALUMINUM AND FIBERGLASS
 ARMAMENT ----- N/A
 -
 -
 -

REMARKS:

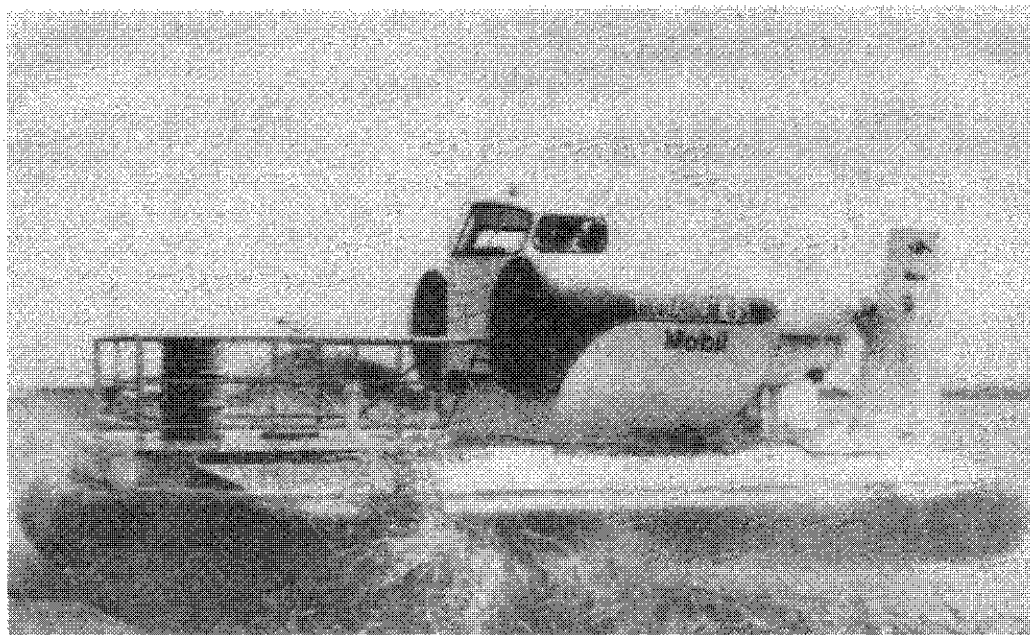
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-41-1-1-B
NOMEN: AIR CUSHION VEHICLE G-6
PRODUCED/ADOPTED: 1970-DATE/

CATALOG: T8-381-5-22
(OLD 41-1525-1-1)
COUNTRY: AUSTRALIA
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-1525-41-1-1-B
NOMEN: AIR CUSHION VEHICLE G-6
PRODUCED/ADOPTED: 1970-DATE/

CATALOG: TB-381-5-22
TOLD 41-1525-1-11
COUNTRY: AUSTRALIA
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01NOV72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-12-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 7-TON, 4X2, MAZ-200

(OLD 2-2320-4-12)

NATIVE DES: AVTOMOBIL MAZ-200
PRODUCED/ADOPTED: 1947-1966/COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U) THE MAZ-200 WAS PRODUCED BY THE MINSK MOTOR VEHICLE PLANT FROM 1947 TO 1966. THE BODY CONSISTED OF THREE HINGED SIDEBORDS SECURED TO A WOODEN PLATFORM BED. IT HAD A THREE-PLACE WOODEN CAB WITH METALLIC SHEATHING. THE VEHICLE WAS DIESEL POWERED AND DESIGNED FOR TRANSPORTING BULKY AND HEAVY LOADS OVER LONG DISTANCES. ALTHOUGH OUT OF PRODUCTION IT IS STILL FREQUENTLY OBSERVED IN SERVICE WITH TROOPS.

(U) THE PLANT PRODUCED THE MAZ-200G MODIFICATION FROM 1951 TO 1957 WITH A HIGH SIDED BODY PROVIDED WITH REMOVABLE EXTENSIONS AND FOLDING BENCHES FOR THE TRANSPORTATION OF TROOPS. BETWEEN 1962 AND 1967 THE MAZ-200P WAS PRODUCED, DIFFERING FROM THE MAZ-200 IN THAT IT WAS POWERED BY A YAMZ-236 DIESEL ENGINE OF 180-HORSEPOWER (FOM-2815-2-1-4).

(U) SOVIET PRESS ARTICLES COMPLAINED THAT THE ENGINES IN THE MAZ-200 SERIES WERE UNECONOMICAL, THE REAR AXLES WERE SUBJECT TO FREQUENT FAILURE AND THE SHOCK ABSORBERS WERE EASILY BROKEN. THE NEW MAZ-500 SERIES SUPERSEDED THE MAZ-200 SERIES IN 1965.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2320-2-4-12-A
 NOMEN: TRUCK, CARGO, 7-TON, 4X2, MAZ-200

CATALOG: TB-381-5-22
 IOLD 2-2320-4-12)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1947-1966/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 6400
 -PAYLOAD OFF HWY ----- 5000
 -PAYLOAD ON HWY ----- 7000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 13625
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 3080
 -EMPTY REAR ----- 3320
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 3565
 -LOADED REAR ON HWY - 10,060

PERSONNEL LOAD (NR) ----- 3 CAB, 28 REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 9500
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VECHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7610
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 2340
 CARGO SPACE-
 -LENGTH ----- 4686
 -WIDTH ----- 2326
 -HGT OF SIDES ----- 575
 TREAD, C TO C-
 -FRONT ----- 1800
 -REAR ----- 1790
 WHEELBASE ----- 4500
 GROUND CLEARANCE ----- 290
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL - N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 10,100
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 32
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 700
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 65
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 38 DEG
 ANGLE OF DEPARTURE (DEG) --- 22
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ TWO LONGITUDINAL, SEMIELLIPITIC SPRINGS
 W/HYDRAULIC SHOCKS
 2/ TWO LONGITUDINAL SEMIELLIPITIC SPRINGS
 W/HELPER SPRINGS
 3/ MANUAL (SYNCHRONIZERS IN 2D, 3D, 4TH AND
 5TH SPEEDS

ENGINE:

MODEL ----- YAAZ-M 204A 4-CYL, 2-CYCLE
 TYPE ----- 4 CYL, 2 CYCLE
 MAX HP AT RPM ----- 120 AT 2000
 MAX TORQUE (KGM) ----- 47 AT 1200-1400
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 108
 STROKE (MM) ----- 127
 DISPLACEMENT (LITERS) 4.65

FQM NR ----- FQM-2815-2-1-1

GENERAL DATA:

TIRES-

-SIZE ----- 12.00X20
 -PLY ----- 16
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 542
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 225
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC, ALL WHEELS
 -PARKING TYPE ----- MECH ACTUATOR ON TRANS

SUSPENSION SYSTEM-

-FRONT ----- *1
 -REAR ----- *2

TRANSMISSION-

-TYPE ----- *3
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 24V (2 6-ST-128 BTRYS)
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

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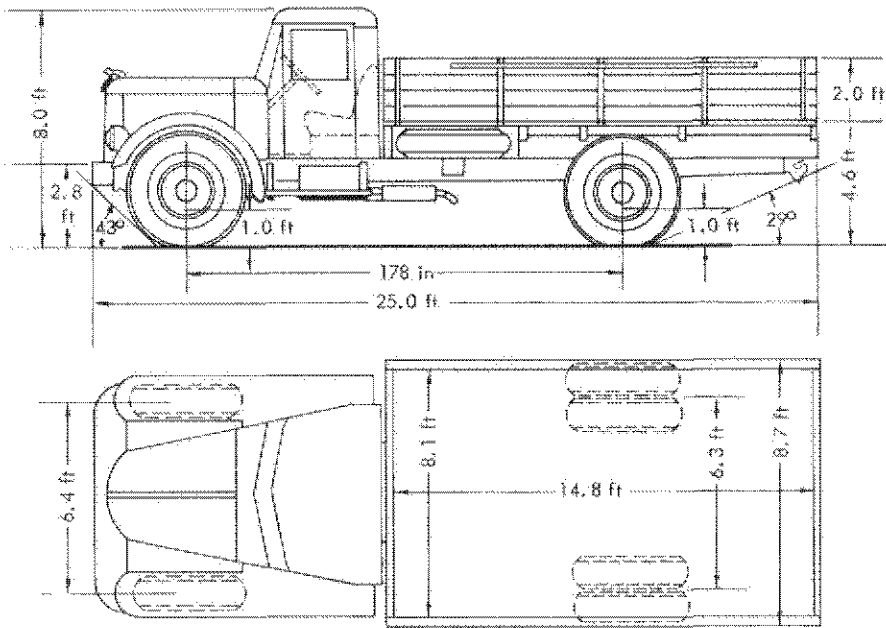
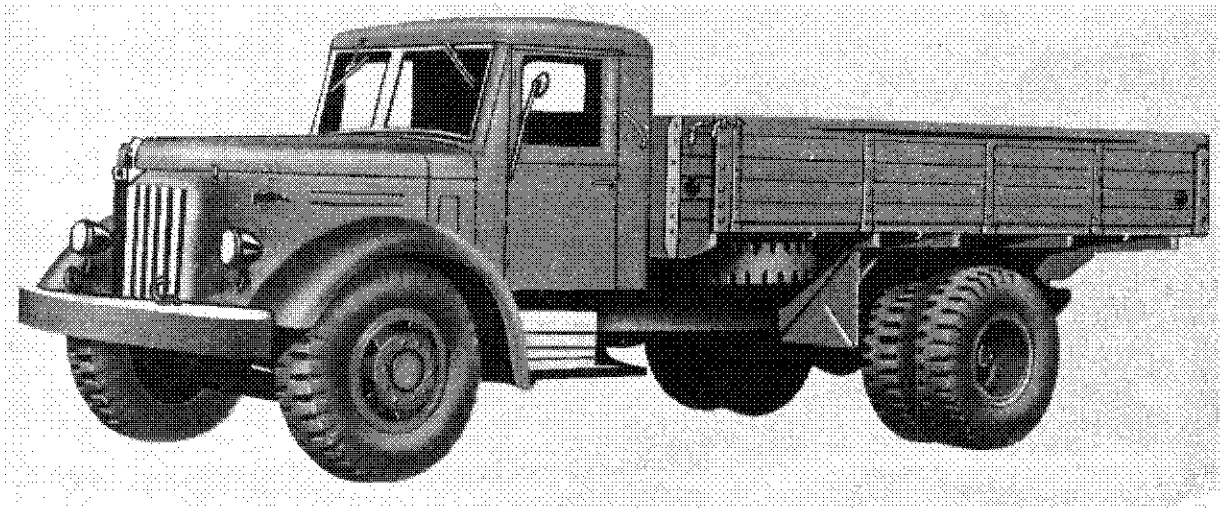
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-12-B
NOMEN: TRUCK, CARGO, 7-TON, 4X2, MAZ-200
PRODUCED/ADOPTED: 1947-1966/

CATALOG: TR-381-5-22
(OLD 2-2320-4-12)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-12-B
NOMEN: TRUCK, CARGO, 7-TON, 4X2, MAZ-200
PRODUCED/ADOPTED: 1947-1966/

CATALOG: TB-381-5-22
(DLD 2-2320-4-12)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-32-A

CATALOG: TB-381-5-22

NOMEN: TRUCK UTILITY 1/2 TON, 4X4, GAZ(UAZ)-69

(OLD 2-2320-4-32)

NATIVE DES: AVTOMOBILI GAZ(UAZ)-69

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1952-DATE/

DATE UPDATED: 13SEP73

(U)THE GAZ(UAZ)-69, A FOUR-WHEEL DRIVE WEAPONS CARRIER TYPE OF VEHICLE, WENT INTO PRODUCTION AT THE GOR'KIY MOTOR VEHICLE PLANT IN 1952 AS THE GAZ-69 TO REPLACE THE GAZ-67B (FOM2320-2-4-11). IN 1956, PRODUCTION WAS SHIFTED TO THE ULYANOVSK AUTOMOTIVE PLANT, WHICH ACCOUNTED FOR ITS BEING ERRONEOUSLY IDENTIFIED AS THE UAZ-69. IT IS POWERED BY AN M-20 GASOLINE ENGINE EQUIPPED WITH AN OIL RADIATOR AND THERMOSTAT, AND A STARTING HEATER AND HEATER FUEL TANK. IN 1959, THE GAZ-69 WAS EQUIPPED WITH THE LARGER M-21 GASOLINE ENGINE. WHEN EQUIPPED WITH THE LARGER ENGINE, IT IS KNOWN AS THE GAZ-69M.

(U)A LIGHT CARGO AND PERSONNEL CARRIER, AND A PRIME-MOVER, THE GAZ-69 IS UTILIZED FOR OTHER SPECIAL TASKS, AND IS FITTED WITH A REMOVABLE CANVAS TOP, TUBULAR FRAMES AND DOOR PILLARS, AND A FOLDDOWN WINDSHIELD.

(U)OTHER VERSIONS OF THE GAZ-69 INCLUDE: THE GAZ(UAZ)-69A (FOM2320-2-4-31), A COMMAND AND RECONNAISSANCE TYPE OF VEHICLE; THE GAZ-46(MAV), AN AMPHIBIOUS JEEP (FOM2354-2-1-1); AND THE UAZ-452P, A TRUCK-TRACTOR. WHEN THE ANTITANK GUIDED MISSILE AT-1, THE "SNAPPER," IS MOUNTED ON A GAZ-69, THE ENTIRE UNIT IS CALLED THE "BABY CARRIAGE." TRUCKS OF THE UAZ-450 SERIES ALSO USE MANY GAZ-69 PARTS.

DATE CATALOGED: 01SEP69

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-32-A
 NOMEN: TRUCK UTILITY 1/2 TON, 4X4, GAZ(UAZ)-69

CATALOG: TB-381-5-22
 (OLD 2-2320-4-32)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: 1952-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 1525
 -PAYLOAD OFF HWY ----- 650
 -PAYLOAD ON HWY ----- 650
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 2175
 -GROSS ON HWY ----- 2175
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 860
 -EMPTY REAR ----- 665
 -LOADED FRONT OFF HWY - 940
 -LOADED REAR OFF HWY -- 1235
 -LOADED FRONT ON HWY -- 940
 -LOADED REAR ON HWY --- 1235
 PERSONNEL LOAD (NR) ----- 8 W/DRIWER
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- *1
 -ON HWY ----- *2
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 3850
 WIDTH O'ALL ----- 1850
 HEIGHT O'ALL ----- 2030
 CARGO SPACE-
 -LENGTH ----- 1310
 -WIDTH ----- 1340
 -HGT OF SIDES ----- 490
 TREAD, C TO C-
 -FRONT ----- 1440
 -REAR ----- 1440
 WHEELBASE ----- 2300
 GROUND CLEARANCE ----- 210
 PINTLE HEIGHT ----- 610
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 69, 60%; 69M, 58%
 TURNING RADIUS (MM) ----- 69:6000 69M:6500
 FORDING DEPTH (MM) ----- 610
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 69:12; 69M:13.5
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- *3
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- *4
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 45
 ANGLE OF DEPARTURE (DEG) --- 35
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- 69, M-20; 69M, M-218
 TYPE ----- IN-LINE 4, L-HEAD
 MAX HP AT RPM ----- *5
 MAX TORQUE (KGM) ----- *7
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - WATER
 BORE (MM) ----- 69, 82; 69 M, 88
 STROKE (MM) ----- 69, 100; 69 M, 100
 DISPLACEMENT (LITERS) 69, 2.12; 69 M, 2.43

FOM NR ----- *6

GENERAL DATA:

TIRES-
 -SIZE ----- 6.50 X 16
 -PLY ----- 6
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 362
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 48
 -AUX TANK ----- 27
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC, ALL WHEELS
 -PARKING TYPE ----- MECH ON TRANSFERCASE
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 3/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12 V
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

REMARKS:

1/ 69:800 KG; 69M:840 KG
 2/ 69:800 KG; 69M:840 KG
 3/ 69:615 KM; 69M:550 KM
 4/ 69:90 KM/HR; 69M:95 KM/HR
 5/ 69, 52 AT 3600, 69M, 65 AT 3800
 6/ 69 FOM 2805-2-1-14 69M 2805-2-1-15

7/ 69, 12.7 AT 2000 69M, 15.8 AT 1000

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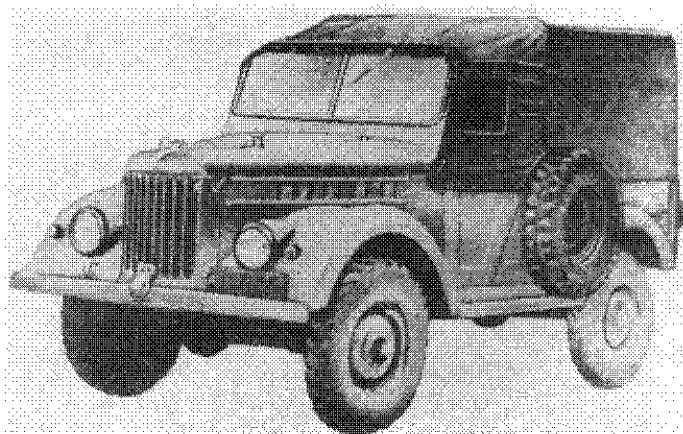
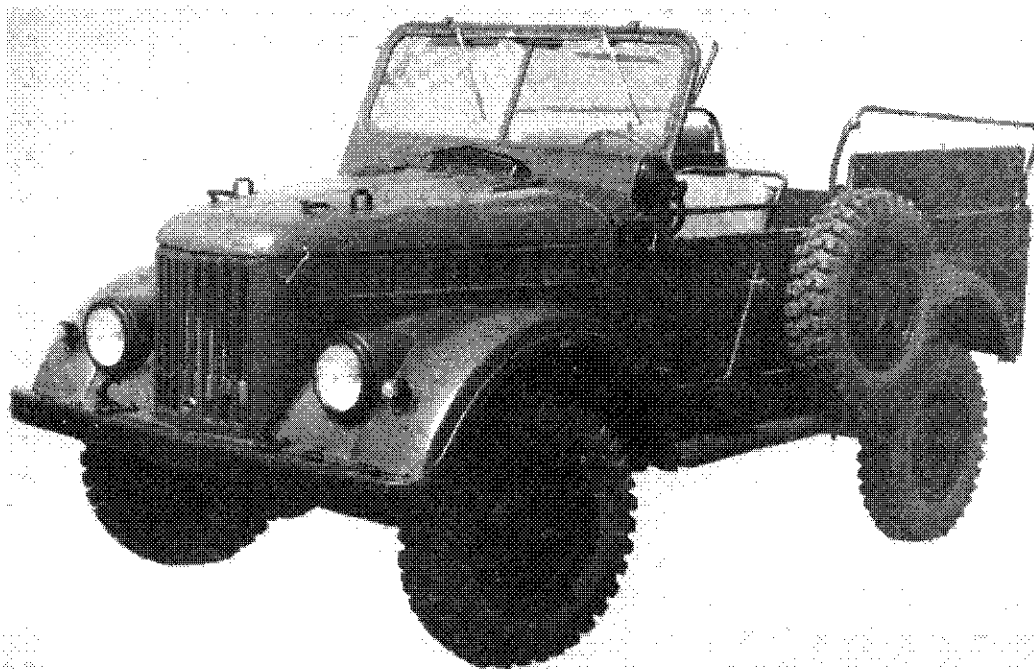
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U N C L A S S I F I E D

FOM-2320-2-4-32-B
NOMEN: TRUCK UTILITY 1/2 TON, 4x4, GAZ(UAZ)-69

PRODUCED/ADOPTED: 1952-DATE/

CATALOG: TB-381-5-22
(OLD Z-2320-4-32)
COUNTRY: U.S.S.R.
DATE UPDATED: 13SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-2-4-32-B

NOMEN: TRUCK UTILITY 1/2 TON, 4X4, GAZ(UAZ)-69

PRODUCED/ADOPTED: 1952-DATE/

CATALOG: TB-381-5-22

TOLD 2-2320-4-321

COUNTRY: U.S.S.R.

DATE UPDATED: 13SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2320-2-4-44-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 1-TON, 4X4, GAZ-62

(OLD: 2-2320-4-441

NATIVE DES: AVTOMOBILI GAZ-62

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1959 - 77

DATE UPDATED: 30AUG73

(U)THE GAZ-62 OF 1-TON CAPACITY IS A 2-AXLE, 4-WHEEL DRIVE, CROSS-COUNTRY VEHICLE. IT IS INTENDED FOR TRANSPORTING CARGO AND PERSONNEL AND FOR TOWING 1-TON TRAILERS UNDER CROSS-COUNTRY CONDITIONS. A FOLD-DOWN WINDSHIELD AND CANVAS-TOP CAB MAKE THE TRUCK AIR-TRANSPORTABLE.

(U)HAVING A CAB-OVER-ENGINE DESIGN, THE CAB TILTS FORWARD AT AN ANGLE OF 45 DEG, PROVIDING EASE OF ENGINE SERVICING. THIS ARRANGEMENT MAKES POSSIBLE THE REDUCTION OF THE WHEELBASE TO 2700 MM WITH A CARGO PLATFORM 2560 MM LONG. THIS VEHICLE'S MECHANICAL FEATURES AND SUSPENSION SYSTEM PERMIT A FAIR SPEED OVER POOR-QUALITY ROADS.

(U)THE SOVIET PRESS REPORTED THE GAZ-62 IN PRODUCTION IN DECEMBER 1959. HOWEVER, THE REPORT WAS PREMATURE, AND THE TRUCK IS STILL IN PROTOTYPE.

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-44-A
 NOMEN: TRUCK, CARGO, 1-TON, 4X4, GAZ-62

CATALOG: TB-381-5-22
 (OLD 2-2320-4-44)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1959 - ??

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 2,570
 -PAYLOAD OFF HWY ----- 1,100
 -PAYLOAD ON HWY ----- 1,100
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 3820
 -GROSS ON HWY ----- 3820
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 2 IN CAB, 14 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 1000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5000
 WIDTH O'ALL ----- 2100
 HEIGHT O'ALL ----- 2075
 CARGO SPACE-

-LENGTH ----- 2560
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 2700

GROUND CLEARANCE ----- 285

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 8000
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 16
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 655
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 80
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- GAZ-51F
 TYPE ----- 6 CYLINDER, IN-LINE, OHV,
 MAX HP AT RPM ----- 80 AT 3000
 MAX TORQUE (KGM) ----- 21.5 AT ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 82
 STROKE (MM) ----- 110
 DISPLACEMENT (LITERS) 3.4

FOM NR ----- FOM-2805-2-1-10

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 X 16
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 105
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC 4 WHEEL
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-44-B

NOMEN: TRUCK, CARGO, 1-TON, 4X4, GAZ-62

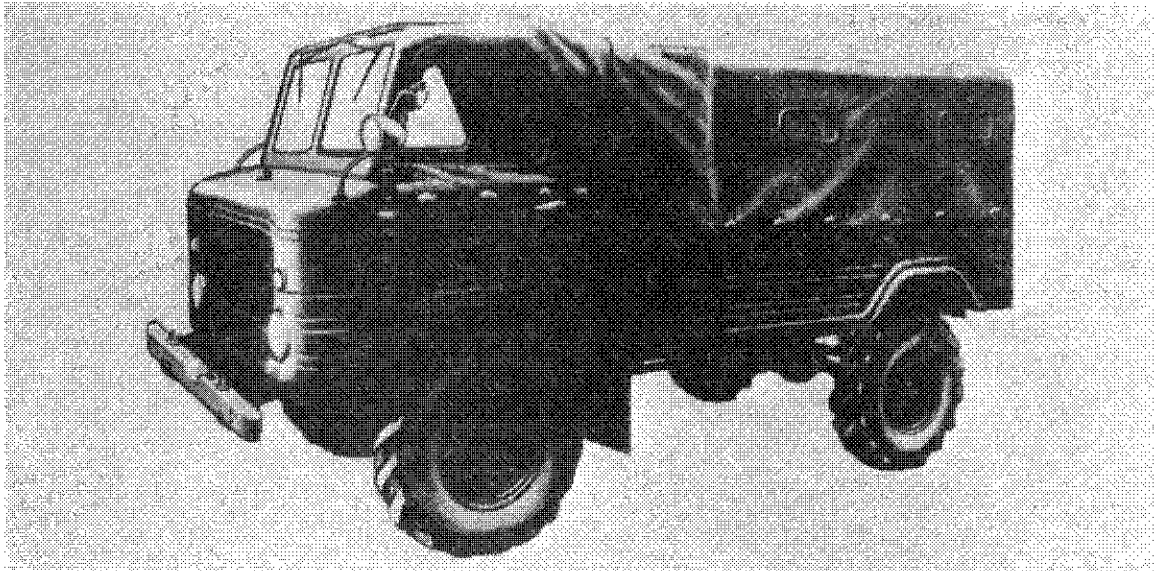
PRODUCED/ADOPTED: 1959 - ?/

CATALOG: TB-381-S-22

(OLD 2-2320-4-44)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FON-2320-2-4-44-B

NOMEN: TRUCK, CARGO, 1-TON, 4X4, GAZ-62

PRODUCED/ADOPTED: 1959 - ??

CATALOG: TB-381-5-22

(OLD 2-2320-4-44)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

EQM-2320-2-4-45-A

CATALOG: TB-381-5-22

NOMEN: TRUCK DUMP 6 TON 4X2 MAZ-205

(OLD 2-2320-4-45)

NATIVE DES: AVTOMOBILI, SAMOSVALY MAZ-205
PRODUCED/ADOPTED: 1947-1966/

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(THE MAZ-205, A REAR DUMP TRUCK BUILT ON THE CHASSIS OF THE MAZ-200 TRUCK, WAS REPLACED IN PRODUCTION IN 1966 BY THE MAZ-503. EARLIER MODELS OF THE MAZ-205 WERE EQUIPPED WITH THE YAAZ-204 110-HORSEPOWER ENGINE, BUT LATER MODELS EMPLOY THE YAAZ-M204A 120-HORSEPOWER VERSION. THE ALL-METAL CAB IS HEATED AND CONTAINS THE CONTROLS FOR THE HYDRAULICALLY OPERATED DUMP BODY. STANDARD EQUIPMENT INCLUDES A SPEEDOMETER, AN AMMETER, A TEMPERATURE GAUGE, A FUEL GAGE, AND AN AIR-PRESSURE GAGE. ALTHOUGH THE VEHICLE IS NO LONGER IN PRODUCTION, SUBSTANTIAL NUMBERS ARE STILL IN SERVICE.

DATE CATALOGED: 01SEP69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-45-A
NOMEN: TRUCK DUMP 6 TON 4X2 MAZ-205

CATALOG: T6-381-5-22
TOLD 2-2320-4-45)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1947-1966/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 6600
-PAYLOAD OFF HWY ----- 5,000
-PAYLOAD ON HWY ----- 6,000
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- 11,825
-GROSS ON HWY ----- 12,825
-GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 3,000
-EMPTY REAR ----- 3,600
-LOADED FRONT OFF HWY - 3,400
-LOADED REAR OFF HWY - 8,425
-LOADED FRONT ON HWY - 3,560
-LOADED REAR ON HWY - 9,265

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
-ON HWY ----- N/A

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6065
WIDTH O'ALL ----- 2640
HEIGHT O'ALL ----- 2430

CARGO SPACE-

-LENGTH ----- 3000
-WIDTH ----- 2000
-HGT OF SIDES ----- 600

TREAD, C. TO C-

-FRONT ----- 1950
-REAR ----- 1920

WHEELBASE ----- 3800

GROUND CLEARANCE ----- 290

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
TURNING RADIUS (MM) ----- 9000
FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 35
-WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 300
-WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 52
-WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- 43 DEG

ANGLE OF DEPARTURE (DEG) --- 39 DEG

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- YAAZ-M204A
TYPE ----- 4 CYLINDER, IN-LINE, 2 CYC
MAX HP AT RPM ----- 123 AT 2000
MAX TORQUE (KGM) ---- 47 AT 1200-1400
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 108
STROKE (MM) ----- 127
DISPLACEMENT (LITERS) 4.65

FOM NR ----- FOM-2815-2-1-1

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 X 20
-PLY ----- 14
-TYPE ----- ?
-LOADED RADIUS (MM) - 532
-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 105
-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- AIR
-PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC
-REAR ----- SEMIELLIPTIC

TRANSMISSION-

-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
-AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24V (212-V BATTERIES)

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- 2
-CABLE LENGTH (MM) -- ?

REMARKS:

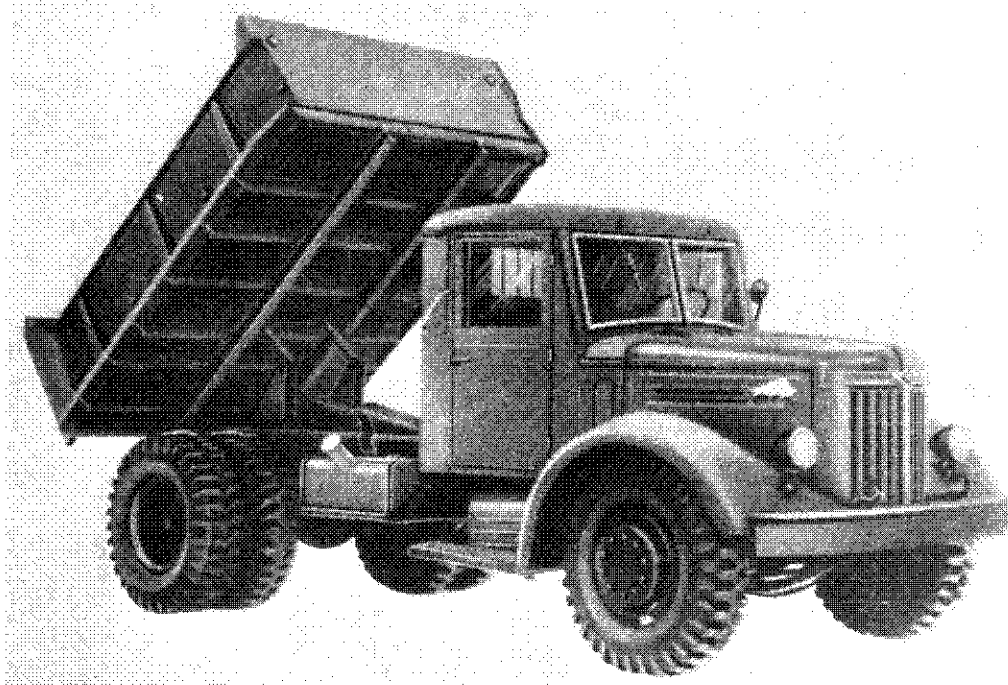
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-45-B
NOMEN: TRUCK DUMP 6 TON 4X2 MAZ-205
PRODUCED/ADOPTED: 1947-1966/

CATALOG: TG-381-5-22
(OLD 2-2320-4-45)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-45-B
NOMEN: TRUCK DUMP 6 TON 4X2 MAZ-205
PRODUCED/ADOPTED: 1947-1966/

CATALOG: T8-381-5-22
(OLD 2-2320-4-45)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-47-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, DUMP, 3.5 TON, 4X2 ZIL-585

FOLD 2-2320-4-471

NATIVE DES: АВТОМОБИЛЬ-САМОСВАЛ ЗИЛ-585
PRODUCED/ADOPTED: 1949-1955/COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

(U)THE ZIL-585 DUMP TRUCK WAS BUILT ON A SHORTENED ZIL-150 TRUCK CHASSIS. IT WAS DESIGNED TO TRANSPORT SAND, GRAVEL, AND SOIL AT CONSTRUCTION SITES AND FOR ROAD BUILDING AND MAINTENANCE OPERATIONS.

(U)IN 1959, THE ZIL-585 WAS REPLACED IN PRODUCTION BY THE ZIL-585B DUMP TRUCK, WHICH WAS BUILT ON A MODIFIED ZIL-164 TRUCK CHASSIS. BOTH DUMP TRUCKS HAD THE SAME CHARACTERISTICS AND DIMENSIONS, DIFFERING ONLY IN THE SHAPE OF THE GRILL. THESE FIRST MODELS WERE PRODUCED AT THE MOSCOW MOTOR VEHICLE PLANT IMENI LIKHACHEV, (FORMERLY STALINAI). FROM 1958 TO 1962, THE ZIL-585B WAS PRODUCED AT THE MYTISHCHI MACHINE BUILDING PLANT AND THE MODEL DESIGNATION BECAME ZIL-MMZ-585B. SINCE 1961, THE TRUCK HAS BEEN BUILT ON THE ZIL-164A TRUCK CHASSIS; AND, IN ADDITION, SINCE 1962, THE CAB AND CHASSIS HAVE BEEN PRODUCED AT THE LIKHACHEV PLANT AND THE DUMP BODY HAS BEEN MANUFACTURED AND INSTALLED AT THE MYTISHCHI PLANT. THE LATEST DUMP VERSION IS THE ZIL-MMZ-585L AND DIFFERS FROM EARLIER MODELS ONLY IN MINOR DETAILS.

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U N C L A S S I F I E D

FOM-2320-2-4-47-A

NOMEN: TRUCK, DUMP, 3.5 TON, 4X2 ZIL-S85

PRODUCED/ADOPTED: 1949-1955/

CATALOG: TB-381-5-22
 (OLD 2-2320-4-47)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 07AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4210
 -PAYLOAD OFF HWY ----- 3110
 -PAYLOAD ON HWY ----- 3610
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 7320
 -GROSS ON HWY ----- 7820
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1970
 -EMPTY REAR ----- 2240
 -LOADED FRONT OFF HWY -- 2120
 -LOADED REAR OFF HWY -- 5200
 -LOADED FRONT ON HWY -- 2170
 -LOADED REAR ON HWY -- 5650

PERSONNEL LOAD (NR) ----- 2 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
 -ON HWY ----- N/A

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5940
 WIDTH O'ALL ----- 2290
 HEIGHT O'ALL ----- 2180

CARGO SPACE-

-LENGTH ----- 2550
 -WIDTH ----- 2060
 -HGT OF SIDES ----- 500

TREAD, C TO C-

-FRONT ----- 1700
 -REAR ----- 1740

WHEELBASE ----- 4000

GROUND CLEARANCE ----- 265

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 7500
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 29
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 510
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 65
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---

ANGLE OF DEPARTURE (DEG) --- 32 DEG

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- ZIL-120
 TYPE ----- 6 CYL, IN-LINE, L-HEAD
 MAX HP AT RPM ----- MAX HP AT RPM - 90 AT 2700
 MAX TORQUE (KGM) ----- 31 @ 1200-1300
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 101.6
 STROKE (MM) ----- 114.3
 DISPLACEMENT (LITERS) 5.55

FOM NR ----- 2805-2-1-11

GENERAL DATA:

TIRES-

-SIZE ----- 900X20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 150
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRING
 -REAR ----- SEMIELLIPTIC SPRING

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- ?

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) --- N/A

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-47-B

NOMEN: TRUCK, DUMP, 3.5 TON, 4X2 ZIL-585

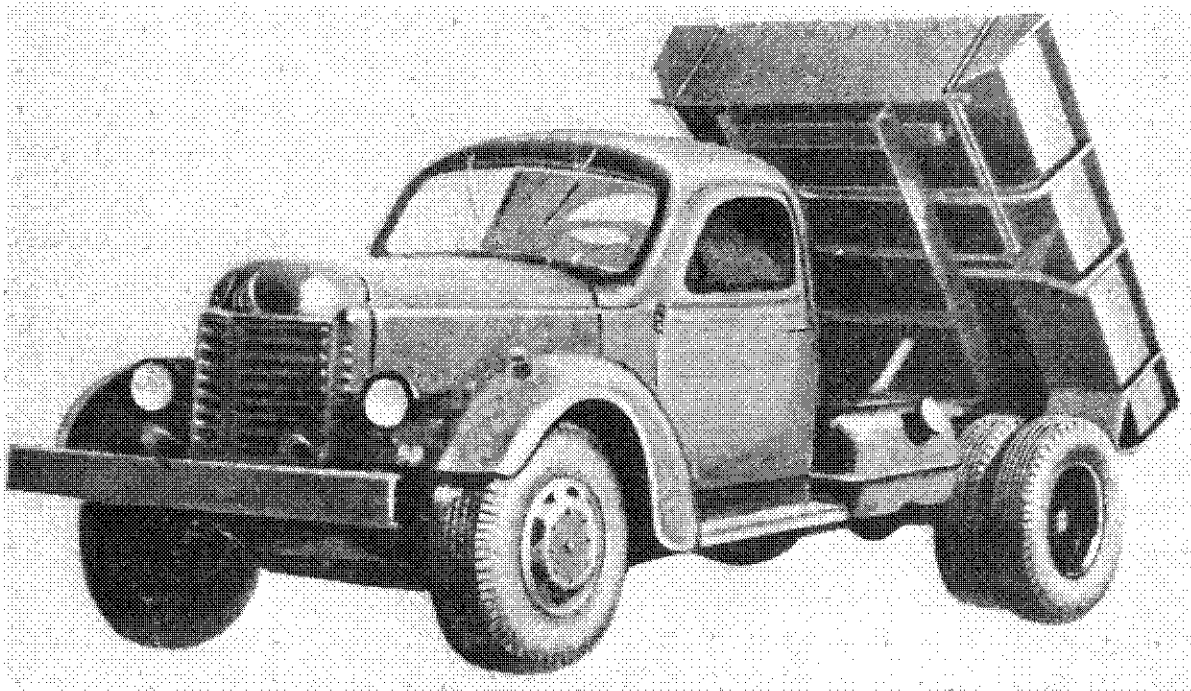
PRODUCED/ADOPTED: 1949-1955/

CATALOG: TB-381-5-22

(OLD 2-2320-4-47)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-47-B
NOMEN: TRUCK, DUMP, 3.5 TON, 4X2 ZIL-585
PRODUCED/ADOPTED: 1949-1955/

CATALOG: TB-381-5-22
(DLC 2-2320-4-47)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-51-A

CATALOG: TB-381-5-22

NOMEN: TRUCK; CARGO, 1 1/2 TON, 4X2, GAZ-56

(OLD 2-2320-4-51)

NATIVE DES: AVTOMOBILI GAZ-56

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: PROTOTYPE

DATE UPDATED: 30AUG73

(U)THE GAZ-56 IS DESTINED TO BE USED CHIEFLY BY THE CIVILIAN ECONOMY AND ITS MILITARY USE WILL BE CONFINED TO GARRISON OPERATIONS. WHILE SCHEDULED FOR SERIAL PRODUCTION IN 1965, THE VEHICLE'S PLANNED PRODUCTION HAS BEEN REPEATEDLY POSTPONED.

(U)MANY OF ITS COMPONENTS ARE SHARED WITH THE LARGER GAZ-52 AND THE GAZ-53 VEHICLES. OTHER PLANNED VERSIONS ARE THE GAZ-56 TANK TRUCK AND A GAZ-56K CAB-OVER-ENGINE MODEL.

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U N C L A S S I F I E D

FOM-2320-2-4-51-A

NOMEN: TRUCK, CARGO, 1 1/2 TON, 4X2, GAZ-56

CATALOG: TB-381-5-22
 (OLD 2-2320-4-51)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: PROTOTYPE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 1850
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 1650
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 3500
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 980
 -EMPTY REAR ----- 870
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 1054
 -LOADED REAR ON HWY - 2446

PERSONNEL LOAD (NR) ----- 2 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 1700

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5330
 WIDTH O'ALL ----- 2160
 HEIGHT O'ALL ----- 1980
 CARGO SPACE-

-LENGTH ----- ?
 -WIDTH ----- 2010
 -HGT OF SIDES ----- 490

TREAD, C TO C-

-FRONT ----- 1590
 -REAR ----- 1650

WHEELBASE ----- 3000

GROUND CLEARANCE ----- 230

PINTLE HEIGHT ----- N/A

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 6490
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 12
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 500
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 80
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- GAZ-M-21
 TYPE ----- IN-LINE 4, L-HEAD
 MAX HP AT RPM ----- 70 @ 3400
 MAX TORQUE (KGM) ---- 15.8 AT 2000
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - WATER
 BORE (MM) ----- 91.9
 STROKE (MM) ----- 66.5
 DISPLACEMENT (LITERS) 2.44

FOM NR ----- FOM-2-2805-1-15

GENERAL DATA:

TIRES-

-SIZE ----- 8.00 X 17.5
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 80
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC 4 WHEEL
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLPTIC SPRING
 -REAR ----- SEMIELLPTIC SPRING

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12 V

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

PUMP:

REMARKS:

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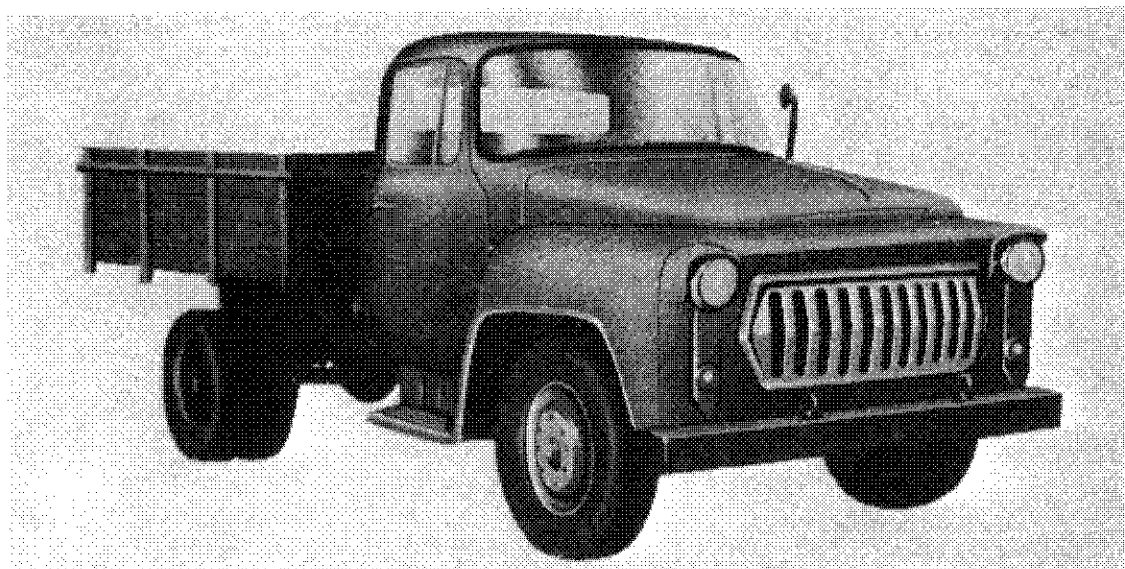
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FOM-2320-2-4-51-B
NOMEN: TRUCK, CARGO, 1 1/2 TON, 4X2, GAZ-56

CATALOG: TB-381-5-22
(OLO 2-2320-4-51)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: PROTOTYPE/



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-51-B

NOMEN: TRUCK, CARGO, 1 1/2 TON, 4X2, GAZ-56

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-S-22

(OLD Z-2320-4-51)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

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FOM-2320-2-4-52-A

CATALOG: TB-381-5-22

NGMEN: TRUCK CARGO 2 1/2 TON 4X2 GAZ 52-03

(OLO 2-2320-4-52)

NATIVE DES: AVTOMOBILI GAZ 52-03

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1966-DATE/

DATE UPDATED: 07AUG73

(U)THE GAZ-52-03 IS THE FORERUNNER OF A NEW SERIES OF LIGHT-TO-MEDIUM TRUCKS WHICH WILL REPLACE THE GAZ-51 SERIES. IT INCORPORATES MODERNIZED STYLING, GENERAL PRODUCT IMPROVEMENT, MORE ENGINE HORSEPOWER AND AN IMPROVEMENT IN PERFORMANCE OVER THE CURRENT MODEL.

(U)A TRUCK-TRACTOR VERSION, THE GAZ-52P; A 4-TON VERSION, THE GAZ-52A; A GAZ-52YA WITH HYDRAULIC LIFTING TAILGATE; AND A VARIETY OF DUMP TRUCKS AND AMBULANCES WILL ALSO BE PRODUCED. THE GAZ-52-03 IS ALSO THE BASIS FOR THE GAZ-66 WHICH WILL REPLACE THE GAZ-63.

(U)THE GOR'KIY AUTOMOTIVE PLANT HAS BEEN PRODUCING THIS VEHICLE SINCE 1966.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-52-A

NOMEN: TRUCK CARGO 2 1/2 TON 4X2 GAZ 52-03

CATALOG: TB-381-5-22

10LD 2-2320-4-521

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1966-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 2815
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 2500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 5465
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1420
 -EMPTY REAR ----- 1495
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 1520
 -LOADED REAR ON HWY -- 3945

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 2500

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6395
 WIDTH O'ALL ----- 2380
 HEIGHT O'ALL ----- 2190
 CARGO SPACE-
 -LENGTH ----- 3740
 -WIDTH ----- 2170
 -HGT OF SIDES ----- 543
 TREAD, C TO C-
 -FRONT ----- 1577
 -REAR ----- 1650
 WHEELBASE ----- 3700
 GROUND CLEARANCE ----- 240
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 40%
 TURNING RADIUS (MM) ----- ?
 FORDING DEPTH (MM) ----- 610
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 16
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 560
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 41 DEG
 ANGLE OF DEPARTURE (DEG) --- 24
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

ENGINE:

MODEL ----- GAZ-51F
 TYPE ----- TORCH IGNITION
 MAX HP AT RPM ----- 80 AT 3000
 MAX TORQUE (KGM) ----- 21.5 AT ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE -
 BORE (MM) ----- 82
 STROKE (MM) ----- 110
 DISPLACEMENT (LITERS) 3.48

FOM NR ----- FOM-2-2805-1-10

GENERAL DATA:

TIRES-

-SIZE ----- 7.50X20
 -PLY ----- 8
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 443
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 90
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECH ACTUATOR ON TRANS

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLPTIC SPRINGS
 -REAR ----- SEMIELLPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12 V
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

PUMP:

HOSES:

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U N C L A S S I F I E D

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FOM-2320-2-4-52-8

NOMEN: TRUCK CARGO 2 1/2 TON 4X2 GAZ 52-03

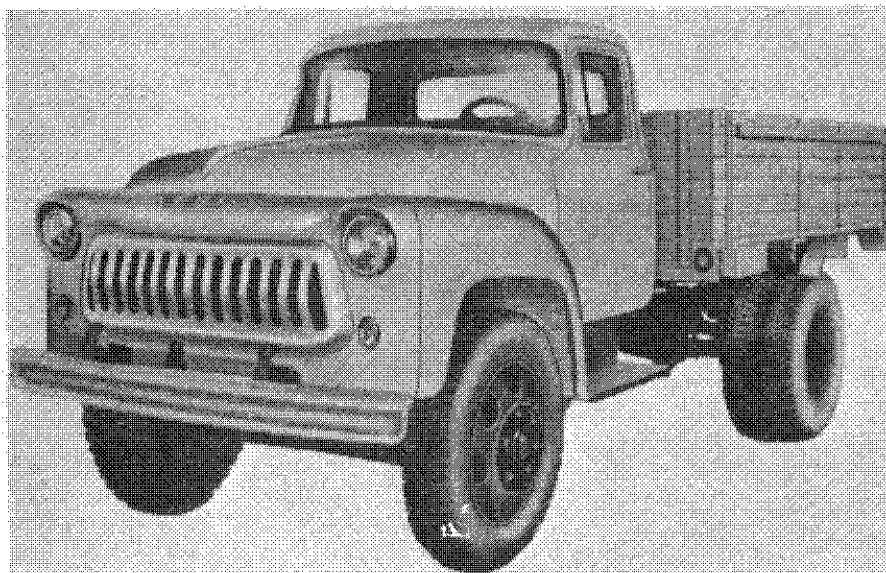
PRODUCED/ADOPTED: 1966-DATE/

CATALOG: TB-381-5-22

EQLO 2-2320-4-521

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

FORM-2320-2-4-52-B

NOMEN: TRUCK CARGO 2 1/2 TON 4X2 GAZ 52-03

PRODUCED/ADOPTED: 1966-DATE/

CATALOG: TB-361-S-22

(OLD 2-2320-4-52)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOU-2320-2-4-53-A

CATALOG: TB-991-5-22

NOMEN: TRUCK CARGO 7-1/2 TON 6X6 KRAZ-214

(OLD 2-2320-4-53)

NATIVE DES: AVTOMOBILI KRAZ-214
PRODUCED/ADOPTED: 1956-1967/

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

(U)THE KRAZ-214 DIESEL-POWERED TRUCK IS THE PRINCIPAL HEAVY-DUTY TACTICAL TRUCK OF THE SOVIET ARMY. IT IS BASED ON THE OLDER YAAZ-210 (1948-58) BUT INCORPORATES A NUMBER OF IMPROVEMENTS WHICH GIVE IT A GREATER CROSS-COUNTRY ABILITY. FORMERLY CALLED THE YAAZ-214, THE TRUCK WAS FIRST PRODUCED IN 1956 BY THE YARSLAVL MOTOR VEHICLE PLANT. IN 1959 PRODUCTION WAS MOVED TO THE KREMENCHUG MOTOR VEHICLE PLANT, THUS CAUSING THE NAME CHANGE.

(U)THE MAJOR RECOGNITION FEATURE OF THE KRAZ-214 IS THE USE OF SINGLE TIRES ON THE REAR WHEELS INSTEAD OF THE DUAL TIRES USED ON THE YAAZ-210. PERFORMANCE HAS BEEN INCREASED BY BETTER FUEL INJECTION, IMPROVED OIL FILTERING, AND IMPROVED COOLING. THE CAB HAS BEEN WIDENED AND CONTAINS A HEATER AND A WINDSHIELD DEFROSTER. DURING CROSS-COUNTRY TESTING, THE KRAZ-214 (WITHOUT TRAILER) TRAVELED THROUGH SNOW UP TO 610 MM DEEP, AND CROSSED DITCHES UP TO 850 MM DEEP. THE VEHICLE CAN BE DISTINGUISHED FROM THE YAAZ-210 BY THE VERTICAL (RATHER THAN HORIZONTAL) COOLING VENTS ALONG THE SIDES OF THE ENGINE HOOD.

(U)PRIMARILY DESIGNED AS A HEAVY LOAD CARRIER, THE KRAZ-214 HAS ALSO BEEN OBSERVED AS THE PRIME MOVER FOR A TANK-TRANSPORTER TRAILER. MODIFIED VERSIONS OF THE CHASSIS HAVE BEEN OBSERVED AS THE CARRIER FOR THE SOVIET 280-MM, 6-ROUND ROCKET LAUNCHER AND THE NEW HEAVY PONTON BRIDGE. THE LATEST ADDITION TO THE FAMILY IS A TRUCK TRACTOR WHICH HAS BEEN USED TO HAUL HEAVY TANK-TRANSPORT SEMITRAILERS.

DATE CATALOGED: 01JUN67
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U N C L A S S I F I E D

FOM-2320-2-4-53-A
 NOMEN: TRUCK CARGO 7-1/2 TON 6X6 KRAZ-214

CATALOG: TB-381-5-22
 (OLD 2-2320-4-53)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1956-1967/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 12300
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 7000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 19525
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 5300
 -EMPTY REAR ----- 7000
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 5800
 -LOADED REAR ON HWY --- 13725
 PERSONNEL LOAD (NR) --- SEE REMARKS
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 50000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8530
 WIDTH O'ALL ----- 2710
 HEIGHT O'ALL ----- 2880
 CARGO SPACE-
 -LENGTH ----- 4565
 -WIDTH ----- 2490
 -HGT OF SIDES ----- 370
 TREAD, C TO C-
 -FRONT ----- 2030
 -REAR ----- 2030
 WHEELBASE ----- 5300
 GROUND CLEARANCE ----- 360
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 58%
 TURNING RADIUS (MM) ----- 14000
 FORDING DEPTH (MM) ----- 1000
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 86 (WITH 15.5 TON T
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 523
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 55
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 52
 ANGLE OF DEPARTURE (DEG) --- 35
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) 2

ENGINE:

MODEL ----- YAAZ-M-206B
 TYPE ----- 6 CYLINDER, IN-LINE, 2 CYC
 MAX HP AT RPM ----- 205 AT 2000
 MAX TORQUE (KGM) ----- 78 AT 1400-1600
 FUEL TYPE ----- DIESEL (GOST 4749-49)
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 108
 STROKE (MM) ----- 127
 DISPLACEMENT (LITERS) 6.97

FOM NR ----- 2815-2-1-2

GENERAL DATA:

TIRES-
 -SIZE ----- 15.00X20
 -PLY ----- 18
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 600
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 225
 -AUX TANK ----- 225
 BRAKES-
 -PRIMARY TYPE ----- AIR
 -PARKING TYPE -----
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPGS
 -REAR ----- SEMIELLIPTIC SPGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2 (1.32 AND 2.28)
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- MECHANICAL (POWER TAKE-O
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

4 THREE IN CAB; 24 IN REAR

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-53-8

NOMEN: TRUCK CARGO 7-1/2 TON 6X6 KRAZ-214

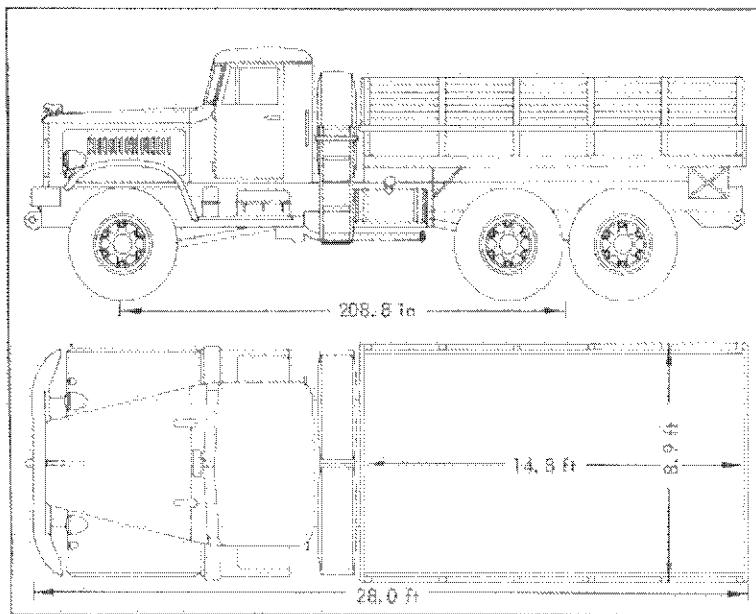
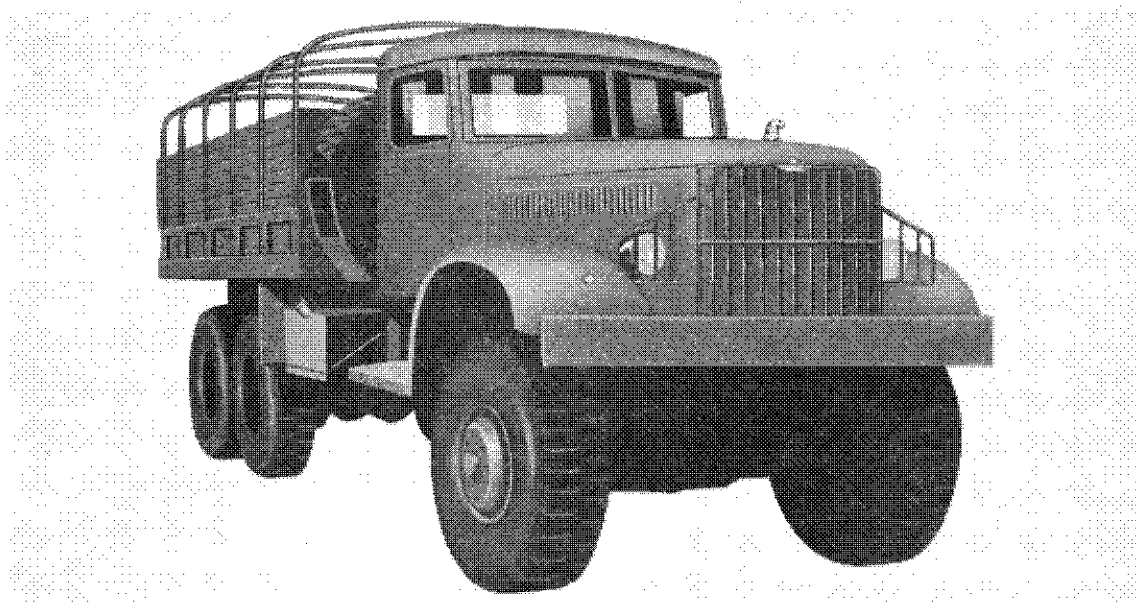
PRODUCED/ADOPTED: 1956-1967/

CATALOG: TB-381-5-22

(OLD 2-2320-4-53)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-53-8

NOMEN: TRUCK CARGO 7-1/2 TON 6X6 KRAZ-214

PRODUCED/ADOPTED: 1956-1967/

CATALOG: TB-391-5-22
(OLD 2-2320-4-53)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FOM-2320-2-4-57-1-A

U N C L A S S I F I E D

CATALOG: TR-321-5-22

NOMEN: TRUCK, CARGO, 2-1/2 TON, 6X6, ZIL-157K

(OLD 2-2320-4-57-1)

NATIVE DES: AVTOMOBILI ZIL-157K

COUNTRY: U.S.S.R.

PRODUCED/ADAPTED: 1962 TO DATE

DATE UPDATED: 30AUG73

(U)THE ZIL-157 IS THE PRINCIPAL MEDIUM TRUCK OF THE SOVIET ARMY. IT IS ANALOGOUS TO THE US M-34, IN CHASSIS DIMENSIONS AND RATED LOADS. SERIAL PRODUCTION OF THIS TRUCK WAS INITIATED IN SEPTEMBER 1956, REPLACING THE EARLIER ZIL-151 (FOM-2320-2-4-43). THE MOST SIGNIFICANT IMPROVEMENT TO THE ZIL-157 WAS THE INCREASE IN TRACTION CAUSED BY THE LARGE SIZE TIRES, SINGLE WHEELS ON THE REAR AXLES, AND THE ADOPTION OF A CAB-CONTROLLED TIRE-INFLATION SYSTEM. IN 1962, THE ENGINE WAS MODIFIED TO INCREASE ITS HORSEPOWER AND THE TRUCK WAS DESIGNATED THE ZIL-157K. IT IS THE CHANGE-OVER MODEL BETWEEN THE ZIL-151 AND THE NEW ZIL-131.

(U)THE ZIL-157K CARGO TRUCK, BASE MODEL OF THE SERIES, DIFFERS FROM THE OLDER ZIL-157 IN THE INSTALLATION OF A NUMBER OF ASSEMBLIES COMMON WITH THE ZIL-130 SUCH AS A SINGLE DISK CLUTCH, 9-SPEED TRANSMISSION WITH SYNCHROMESH ON 2ND THROUGH 5TH GEARS, AND SOME PARTS OF THE SERVICE BRAKE SYSTEM. IT HAS A 6-CYLINDER IN-LINE, CARBURETED ENGINE DEVELOPING 110 HORSEPOWER AND A CAB-CONTROLLED TIRE-INFLATION SYSTEM. SOME OF THE ZIL-157K TRUCKS ARE EQUIPPED WITH P-100 STARTING PREHEATERS WHICH OPERATE ON GASOLINE.

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U N C L A S S I F I E D

FOM-2320-2-4-57-1-A
 NOMEN: TRUCK, CARGO, 2-1/2 TON, 6X6, ZIL-157K

CATALOG: TB-381-5-22
 (OLD 2-2320-4-57-1)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1962 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 5800
 -PAYLOAD OFF HWY ----- 2500
 -PAYLOAD ON HWY ----- 4500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 8300
 -GROSS ON HWY ----- 10,300
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 2680
 -EMPTY REAR ----- 1960 (EA)
 -LOADED FRONT OFF HWY -- 2375
 -LOADED REAR OFF HWY -- 2962.5 (EA)
 -LOADED FRONT ON HWY -- 2975
 -LOADED REAR ON HWY -- 3662.5 (EA)
 PERSONNEL LOAD (NR) ----- 3 IN CAB; 21 IN RR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 3600
 -ON HWY ----- 3600
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6922
 WIDTH O/ALL ----- 2315
 HEIGHT O/ALL ----- 2360/2915
 CARGO SPACE-
 -LENGTH ----- 3570
 -WIDTH ----- 2090
 -HGT OF SIDES ----- 355
 TREAD, C TO C-
 -FRONT ----- 1755
 -REAR ----- 1750
 WHEELBASE ----- 4225
 GROUND CLEARANCE ----- 310
 PINTLE HEIGHT ----- 860
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 53%
 TURNING RADIUS (MM) ----- 11,200
 FORDING DEPTH (MM) ----- 851
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 42
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 510
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 65
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ----- 33 DEG
 ANGLE OF DEPARTURE (DEG) --- 43 DEG
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ZIL-157K
 TYPE ----- 6-CYL, IN-LINE
 MAX HP AT RPM ----- 112 AT 2800
 MAX TORQUE (KGM) ----- 34 @ 1000-1400
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 101.6
 STROKE (MM) ----- 114.3
 DISPLACEMENT (LITERS) 5.55

FOM NR -----

GENERAL DATA:

TIRES-
 -SIZE ----- 12.00X18
 -PLY ----- 8
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 505
 -INFLATION SYSTEM --- CAB CONTROLLED
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 150
 -AUX TANK ----- 65
 BRAKES-
 -PRIMARY TYPE ----- AIR, ALL WHEELS
 -PARKING TYPE ----- #1
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTICAL SPRINGS
 -REAR ----- INVERT SEMIELLIPTICAL
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2 SPEEDS
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- FRONT MOUNTED
 -CAPACITY (KG) ----- 4500
 -CABLE LENGTH (MM) -- 6500

TANK BODY:

PUMP:

HOSES:

REMARKS:

1/ MECHANICAL ON TRANSFER CASE

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-57-1-B

NOMEN: TRUCK, CARGO, 2-1/2 TON, 6X6, ZIL-157K

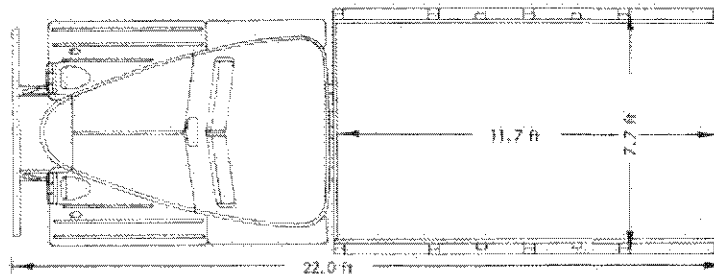
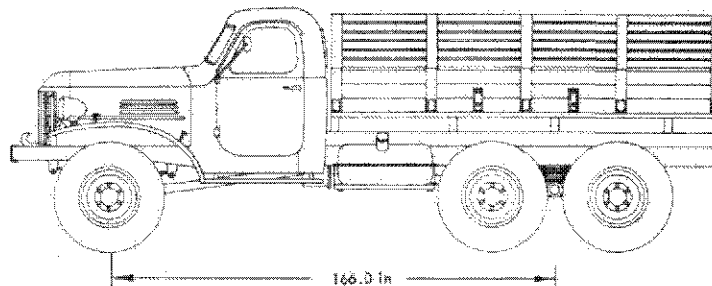
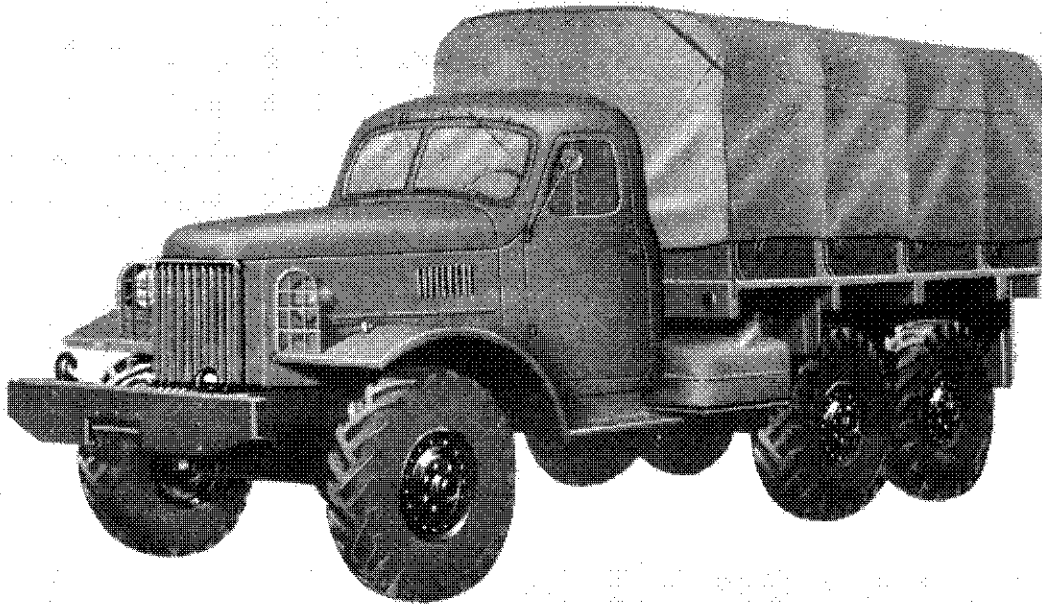
PRODUCED/ADOPTED: 1962 TO DATE

CATALOG: TB-381-5-22

ICLD 2-2320-4-57-1)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-57-1-B
NOMEN: TRUCK, CARGO, 2-1/2 TON, 6X6, ZIL-157K

CATALOG: TR-381-5-22
(OLD 2-2320-4-57-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1962 TO DATE

RESERVED FOR FUTURE USE

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-57-1-C
NDMEN: TRUCK, CARGO, 2-1/2 TON, 6X6, ZIL-157K

PRODUCED/ADOPTED: 1962 TO DATE

CATALOG: TB-381-5-22
IOLD 2-2320-4-57-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

RESERVED FOR FUTURE USE

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-57-1-C
NOMEN: TRUCK, CARGO, 2-1/2 TON, 6X6, ZIL-157K

PRODUCED/ADOPTED: 1962 TO DATE

CATALOG: TB-381-5-22
(OLD 2-2320-4-57-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

RESERVED FOR FUTURE USE

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-58-A

CATALOG: TB-381-5-22

NOMEN: TRUCK CARGO, 5 TON, 4X2, ZIL-130

(OLD 2-2320-4-58)

NATIVE DES: АВТОМОБИЛЬ ЗИЛ-130

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1962 TO DATE

DATE UPDATED: 30AUG73

(U)THE LIKHACHEV MOTOR VEHICLE PLANT, MOSCOW, BEGAN PRODUCING THE ZIL-130 IN THE LATTER PART OF 1962. IT REPLACED THE ZIL-164 (FOM-2-2320-4-59) WHICH, IN TURN, REPLACED THE ZIL-150 (FOM-2-2320-4-5). THE ZIL-130 IS A MEDIUM TYPE TRUCK THAT HAS A RATED PAYLOAD CAPACITY OF 0.5 METRIC TONS. ITS BODY CONSISTING OF A WOODEN PLATFORM WITH HINGED, DROP SIDEBORDS, AND TAILGATE WHICH IS LARGER THAN THAT OF THE ZIL-164, AND IS ALL-METAL CAB SEATS THREE. THE VEHICLE HAS A PANORAMIC WINDSHIELD, HEATED CAB, AND WINDSHIELD DEFROSTER, PLUS AN IMPROVED ENGINE, TRANSMISSION, STEERING MECHANISM, AND ADVANCED STYLING.

(U)VARIANTS OF THIS TRUCK INCLUDE THE ZIL-130G LONG WHEELBASE, THE ZIL-130V TRUCK TRACTOR, THE ZIL-130S ARTIC TRUCK, AND THE ZIL-554 AND 555 DUMP TRUCKS. THE ZIL-130 ALSO FORMS THE BASIS FOR THE ZIL-131 TRUCK SERIES.

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U N C L A S S I F I E D

FOM-2320-2-4-58-A
 NOMEN: TRUCK CARGO, 5 TON, 4X2, ZIL-130

CATALOG: TB-381-5-22
 (OLD 2-2320-4-58)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1962 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4300
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 5000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 9300
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 2120
 -EMPTY REAR ----- 2180
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 2463
 -LOADED REAR ON HWY - 6837
 PERSONNEL LOAD (NR) ----- 3 IN CAB 24 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 8000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6675
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 2350
 CARGO SPACE-
 -LENGTH ----- 3752
 -WIDTH ----- 2326
 -HGT OF SIDES ----- 685
 TREAD, C TO C-
 -FRONT ----- 1800
 -REAR ----- 1790
 WHEELBASE ----- 3800
 GROUND CLEARANCE ----- 270
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 3800
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 28
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 608
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 90
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 38°
 ANGLE OF DEPARTURE (DEG) ---- 27°
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ZIL-130
 TYPE ----- V-8, 4 CYCLE
 MAX HP AT RPM ----- 150 AT 3100
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FOM NR ----- FOM-2805-2-1-12

GENERAL DATA:

TIRES-

-SIZE ----- 260X20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 170
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- AIR-ALL WHEELS
 -PARKING TYPE ----- MECHANICAL ON TRANS

SUSPENSION SYSTEM-

-FRONT ----- *1
 -REAR ----- *2

TRANSMISSION-

-TYPE ----- *3
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC, ----- ?
 ELEC SYSTEM (VOLTS) --- 12V (1-12V BATTERY)
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

TANK BODY:

PUMP:

HOSES:

REMARKS:

1/ LONGITUDINAL SEMIELLIPTICAL LEAF SPRINGS
 2/ LONGITUDINAL SEMIELLIPTICAL LEAF SPRINGS
 3/ MANUAL SYNCHRONIZED 2, 3, 4 AND
 5 SPEEDS

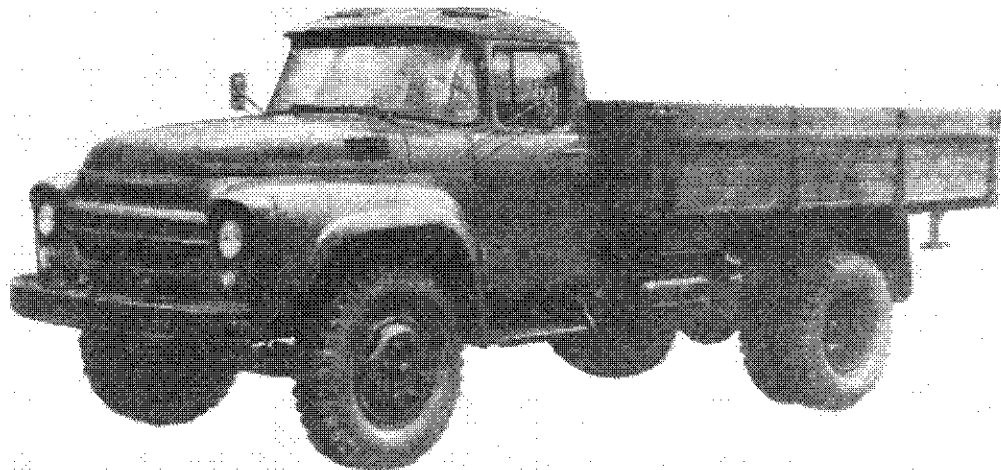
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U N C L A S S I F I E D

U N C L A S S I F I E D

FBM-2320-2-4-56-8
NOMEN: TRUCK CARGO, 5 TON, 4X2, ZIL-130
PRODUCED/ADAPTED: 1962 TO DATE

CATALOG: TB-381-5-22
OLD 2-2320-4-581
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-58-B
NOMEN: TRUCK CARGO, 5 TON, 4X2, ZIL-130

PRODUCED/ADOPTED: 1962 TO DATE

CATALOG: TB-381-5-22
(OLE 2-2320-4-58)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

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FQM-2320-2-4-58-1-A

CATALOG: TB-381-5-22

NOMEN: TRUCK CARGO, 5-TON 4 X 2 LWB, ZIL-130G

(OLD 2-2320-4-58-1)

NATIVE DES: AVTOMOBILI ZIL-130G

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1964-DATE/

DATE UPDATED: 08SEPT3

(U)THE ZIL-130G LONG WHEELBASE TRUCK IS A MODIFICATION OF THE ZIL-130 (FQM-2320-2-4-58) AND IS PRODUCED BY THE LIKACHEV MOTOR VEHICLE PLANT, MOSCOW. THE BODY CONSISTS OF A WOODEN PLATFORM WITH THREE HINGED SIDES, THE RIGHT AND LEFT SIDEBOARDS BEING COMBINED IN PAIRS. THE VEHICLE HAS AN ALL-METAL, THREE-PLACE CAB.

(U)THE ZIL-130G IS DESIGNED FOR TRANSPORTING BULKY CARGOES AND MAY BE EQUIPPED WITH PLATFORMS OF THREE TYPES: NORMAL HEIGHT SIDES, EXTENDED SIDES, AND EXTENDED SIDES WITH BOWS AND TARPAULIN COVER. IT IS ALSO EQUIPPED FOR TOWING WHEELED TRAILERS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-58-1-A
NOMEN: TRUCK CARGO, 5-TON 4 X 2 LWB, ZIL-130G

CATALOG: TB-381-5-22
(OLD 2-2320-4-58-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 08SEP73

PRODUCED/ADOPTED: 1964-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 4575
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 5000
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 9800
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 2275
-EMPTY REAR ----- 2300
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY - 2890
-LOADED REAR ON HWY - 6910
PERSONNEL LOAD (NR) ----- 3 IN CAB
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- 8000
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7610
WIDTH O'ALL ----- 2500
HEIGHT O'ALL ----- 2340
CARGO SPACE-
-LENGTH ----- 4686
-WIDTH ----- 2326
-HGT OF SIDES ----- 575
TREAD, C TO C-
-FRONT ----- 1800
-REAR ----- 1790
WHEELBASE ----- 4500
GROUND CLEARANCE ----- 270
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
TURNING RADIUS (MM) ----- 9100
FORDING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 28
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 608
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 90
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- 38
ANGLE OF DEPARTURE (DEG) --- 22
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY (MM) ?

REMARKS:

1/ TWO SEMIELLIPITICAL, LONGITUDINAL
SPRINGS, HYDRAULIC SHOCKS
2/ TWO SEMIELLIPITICAL, LONGITUDINAL
SPRINGS W/HELPER SPRINGS
3/ MANUAL SYNCHRONIZERS IN 2D, 3D
4TH AND 5TH SPEEDS

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ENGINE:

MODEL ----- ZIL-130G (4-CYCLE)
TYPE ----- V-8 OHV
MAX HP AT RPM ----- 150 AT 3100
MAX TORQUE (KGM) ----- 41 AT 1800-2000
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 100
STROKE (MM) ----- 95
DISPLACEMENT (LITERS) 6

FOM NR ----- FOM-2805-2-1-12

GENERAL DATA:

TIRES-
-SIZE ----- 9:00 X 20
-PLY ----- 10
-TYPE ----- ?
-LOADED RADIUS (MM) - 490
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 170
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- PNEUMATIC ALL WHEELS
-PARKING TYPE ----- MECH ACTUATOR ON TRANS.
SUSPENSION SYSTEM-
-FRONT ----- #1
-REAR ----- #2
TRANSMISSION-
-TYPE ----- #3
-NR SPEEDS FWD/RVSE - 5/1
TRANSFER, NR SPEEDS --- N/A
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 12 (ONE 6-CT-7B BATTERY)
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

U N C L A S S I F I E D

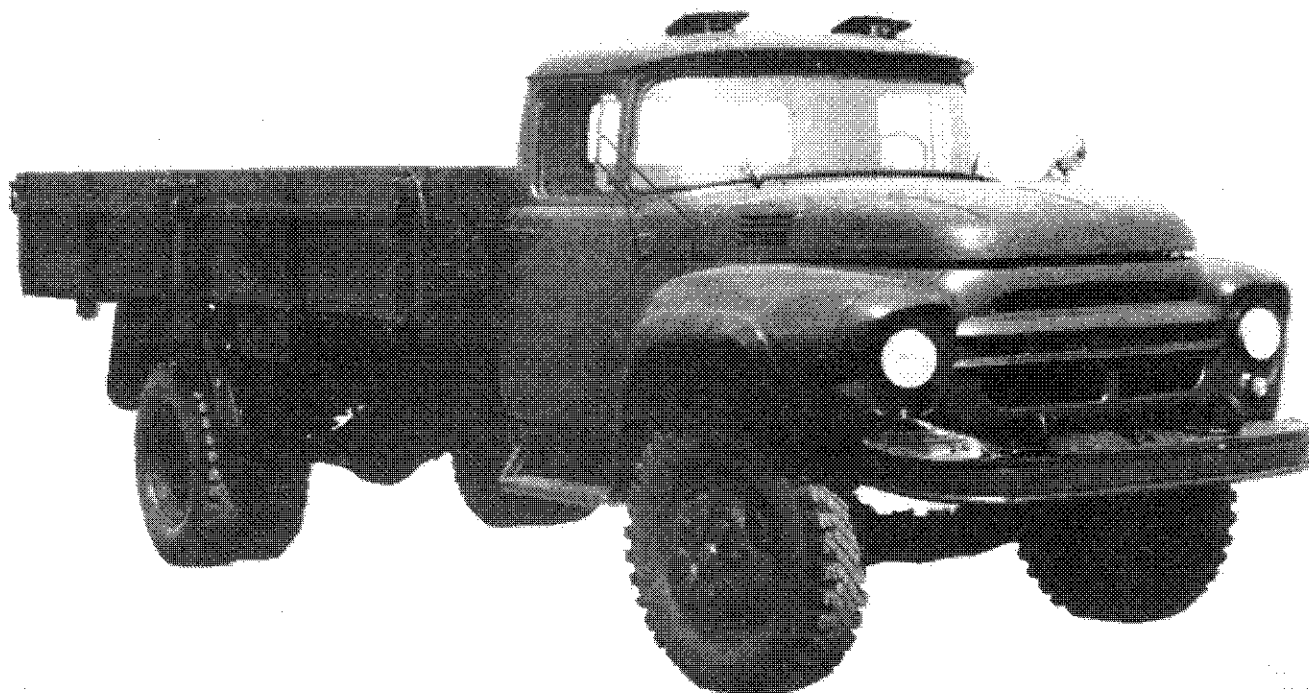
U N C L A S S I F I E D

FOM-2320-2-4-58-1-B

NOMEN: TRUCK CARGO, 5-TON 4 X 2 LWB, ZIL-130G

PRODUCED/ADOPTED: 1964-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-58-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 08SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-58-1-B
NOMEN: TRUCK CARGO, 5-TON 4 X 2 LWB, ZIL-130G

PRODUCED/ADOPTED: 1964-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-58-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 08SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-2-4-59-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 4 1/2 TON, 4X2, ZIL-164

(OLD 2-2320-4-59)

NATIVE DES: AVTOMOBILI ZIL-164
PRODUCED/ADOPTED: 1957-1965/

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE ZIL-164 TRUCK REPLACED THE ZIL-130 IN OCTOBER 1957 AND WAS PRODUCED UNTIL OCTOBER 1961. AT THAT TIME IT WAS SUPPLEMENTED BY THE ZIL-164A WHICH WAS PRODUCED UNTIL 1965. THE ZIL-130 WAS THE REPLACEMENT.

(U)ALTHOUGH THE TRUCK HAS ONLY ONE LIVE AXLE, THE SOVIET ARMY EMPLOYS IT AS A TACTICAL TRUCK IN CLOSE SUPPORT OF FRONT-LINE OPERATIONS. THE WOODEN CARGO BODY HAS DROP SIDES AND TAILGATE, WHICH PERMIT FAST, EASY LOADING. THE TRUCK IS ALSO EQUIPPED WITH A PINTLE HOOK FOR TOWING. THE CHASSIS OF THE ZIL-164 IS WIDELY USED FOR MOUNTING DUMP BODIES, TRUCK CRANES, AND SPECIAL VAN BODIES.

(U)IN ADDITION TO THE BASIC TRUCK, THE FOLLOWING MODELS ARE PRODUCED: THE ZIL-164N TRUCK TRACTOR, THE ZIL-585 DUMP TRUCK, AND TANK AND CRANE TRUCKS. THOSE RECENT MODELS THAT ALREADY HAVE COMPONENTS OF THE NEW ZIL-130 TRUCK ARE DESIGNATED ZIL-164A.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-59-A
NOMEN: TRUCK; CARGO, 4 1/2 TON, 4X2, ZIL-164

CATALOG: TB-381-5-22
(OLD 2-2320-4-59)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1957-1965/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 4100
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 4000
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 8325
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 1870
-EMPTY REAR ----- 2230
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY -- 2160
-LOADED REAR ON HWY -- 6165
PERSONNEL LOAD (NR) ----- *1
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- 6403
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6700
WIDTH O/ALL ----- 2470
HEIGHT O/ALL ----- 2180
CARGO SPACE-
-LENGTH ----- 3540
-WIDTH ----- 2250
-HGT OF SIDES ----- 585
TREAD, C TO C-
-FRONT ----- 1700
-REAR ----- 1740
WHEELBASE ----- 4000
GROUND CLEARANCE ----- 265
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 28%
TURNING RADIUS (MM) ----- 8500
FORDING DEPTH (MM) ----- 790
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 27
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 550
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 70
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- 40 DEG
ANGLE OF DEPARTURE (DEG) --- 24
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- ZIL-164A
TYPE ----- SIX CYLINDER, IN-LINE
MAX HP AT RPM ----- 100 @ 2800
MAX TORQUE (KGM) ----- 33 @ 1100-1400
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 101.6
STROKE (MM) ----- 114.3
DISPLACEMENT (LITERS) 5.55

FOM NR -----

GENERAL DATA:

TIRES-
-SIZE ----- 9.00X20
-PLY ----- 10
-TYPE ----- 490
-LOADED RADIUS (MM) - 490
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 150
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- AIR, ON ALL WHEELS
-PARKING TYPE ----- MECH ACTUATOR ON TRANS.
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- DBLE SEMIELLIPTIC SPGS
TRANSMISSION-
-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 5/1
TRANSFER, NR SPEEDS --- N/A
LOCKING DIFFERENTIAL-
-MANUAL ----- N/A
-AUTOMATIC ----- N/A
ELEC SYSTEM (VOLTS) --- 12 V
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

TANK BODY:

PUMP:

HOSES:

REMARKS:

1/ THREE IN CAB; 21 IN REAR.

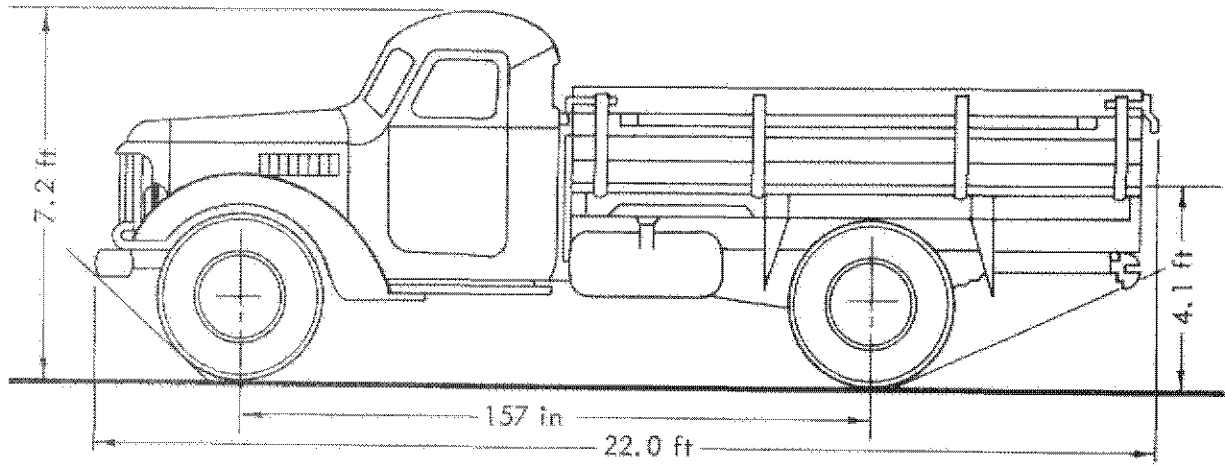
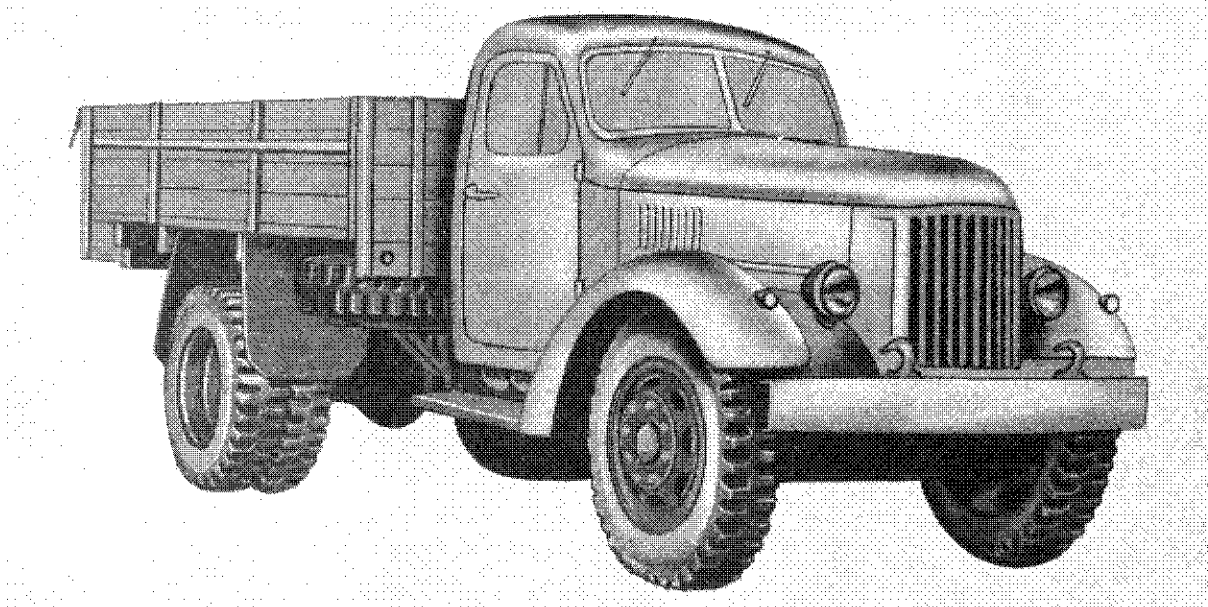
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U N C L A S S I F I E D

U N C L A S S I F I E D

RGH-2320-2-4-59-8
NOMEN: TRUCK, CARGO, 4 1/2 TON, 4X2, ZIL-164
PRODUCED/ADOPTED: 1957-1965/

CATALOG: TB-381-5-22
GOLD 2-2320-4-591
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-59-B

NOMEN: TRUCK, CARGO, 4 1/2 TON, 4X2, ZIL-164

PRODUCED/ADOPTED: 1957-1965/

CATALOG: T8-381-5-22
(GLO 2-2320-4-59)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-59-1-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 4-TON, 4 X 2, ZIL-164A

(OLD 2-2320-4-59-1)

NATIVE DES:

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1961 - 1965

DATE UPDATED: 30AUG73

(U)THE LIKHACHEV MOTOR VEHICLE PLANT, MOSCOW, PRODUCED THE ZIL-164A FROM 1961 TO 1965. THE BODY CONSISTS OF A WOODEN PLATFORM WITH HINGED SIDEBARDS AND A TAILGATE. IT HAS A THREE PLACE, ALL-METAL CAB. ONE MODIFICATION IS THE ZIL-164AR (WITH A 109-HORSEPOWER ENGINE AND PNEUMATIC CONNECTIONS FOR THE TRAILER BRAKES). BETWEEN 1946 AND 1957 THE PLANT PRODUCED THE ZIL-150 VEHICLE (FOM-2320-2-4-5), AND FROM 1957 TO 1961 IT MANUFACTURED THE ZIL-164, WHICH DIFFERED FROM THE ZIL-164A ONLY IN THE CONSTRUCTION OF THE TRANSMISSION GEAR CASE AND CLUTCH, AS WELL AS IN A LOWER POWERED ENGINE.

(U)MODELS OF THE ZIL-164 CONTAINING COMPONENTS OF THE REPLACEMENT VEHICLE, ZIL-130, ARE DESIGNATED ZIL-164A.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FUM-2320-2-4-59-1-A
 NOMEN: TRUCK, CARGO, 4-TON, 4 X 2, ZIL-164A

CATALOG: TB-381-5-22
 (OLD 2-2320-4-59-1)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1961 - 1965

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 4100
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 4000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 8100
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 1870
 -EMPTY REAR ----- 2230
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 2160
 -LOADED REAR ON HWY -- 6165
 PERSONNEL LOAD (NR) ---- 3 CAB 2 REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 6400
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6700
 WIDTH O'ALL ----- 2470
 HEIGHT O'ALL ----- 2180
 CARGO SPACE-
 -LENGTH ----- 3540
 -WIDTH ----- 2250
 -HGT OF SIDES ----- 585
 TREAD, C TO C-
 -FRONT ----- 1700
 -REAR ----- 1740
 WHEELBASE ----- 4000
 GROUND CLEARANCE ----- 265
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 28%
 TURNING RADIUS (MM) ----- 8500
 FORDING DEPTH (MM) ----- 790
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 27
 -WATER (L/HRI) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 405
 -WATER ----- N/A
 MAX SPEED (KM/HRI) LOADED -
 -ROAD ----- 69
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 40 DEG
 ANGLE OF DEPARTURE (DEG) --- 24 DEG
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- ZIL-164A
 TYPE ----- 6 CYL, 4 CYCLE
 MAX HP AT RPM ----- 100 @ 2800
 MAX TORQUE (KG-M) ----- 33 AT 1100-1400
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 101.6
 STROKE (MM) ----- 114.3
 DISPLACEMENT (LITERS) 5.55

FUM NR ----- 7

GENERAL DATA:

TIRES-
 -SIZE ----- 9.00 X 20
 -PLY ----- 12
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 4.85
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 150
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- AIR, ON ALL WHEELS
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC LEAF SPOS
 -REAR ----- *1
 TRANSMISSION-
 -TYPE ----- *2
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) --- ?

TANK BODY:

PUMP:

HOSES:

REMARKS:

1/ SEMIELLIPTIC SPRINGS W/OVERLOAD SPRINGS
 2/ MANUAL-SYNCHRONIZERS IN 2D, 3D 4TH AND
 5TH SPEEDS

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U N C L A S S I F I E D

FORM-2320-2-4-59-1-B

NCMEN: TRUCK, CARGO, 4-TON, 4 X 2, ZIL-164A

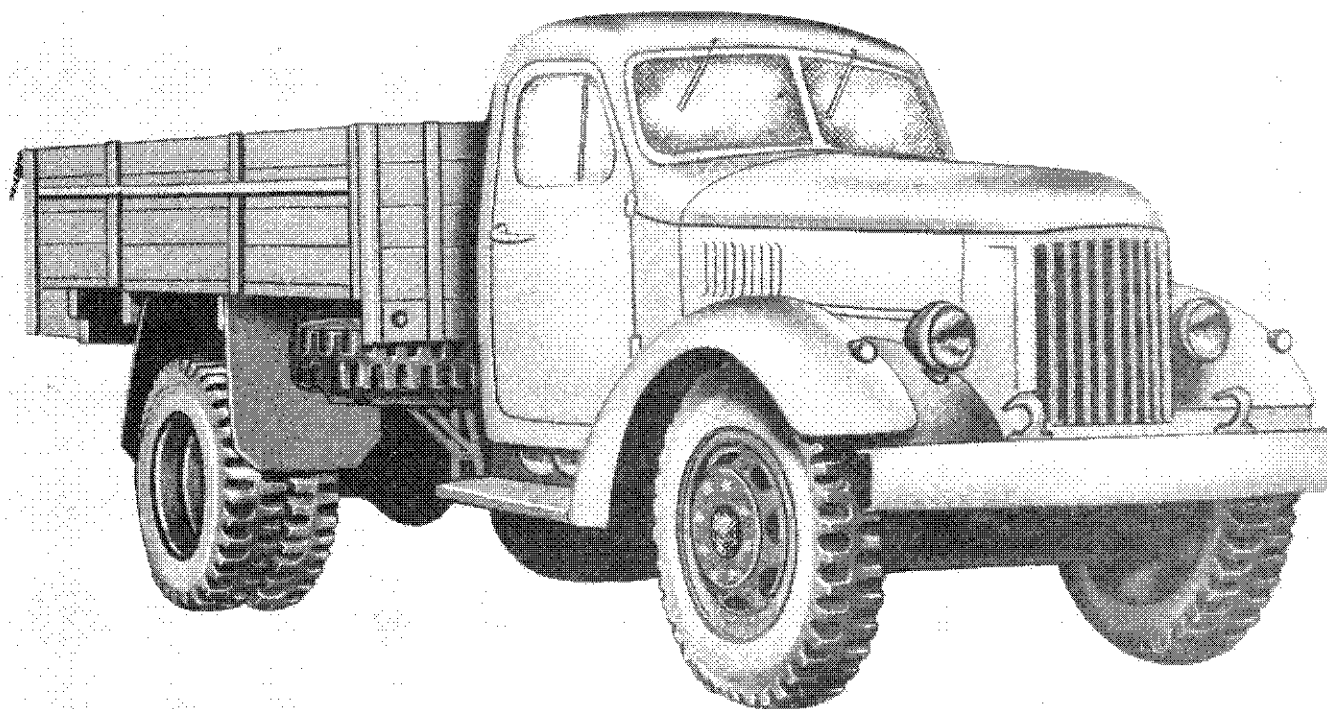
PRODUCED/ADOPTED: 1961 - 1965

CATALOG: TB-381-5-22

(OLD 2-2320-4-59-1)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-59-1-8
NOMEN: TRUCK, CARGO, 4-TON, 4 X 2, ZIL-164A
PRODUCED/ADOPTED: 1961 - 1965

CATALOG: TB-381-5-22
(OLD 2-2320-4-59-1)
COUNTRY: U.S.S.R.
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U N C L A S S I F I E D

FOM-2320-2-4-64-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NGMEN: TRUCK, CARGO, 4-TON, 4X4 MAZ-502

(OLD 2-2320-4-64)

NATIVE DES: AVTOMOBILI MAZ-502
PRODUCED/ADOPTED: 1957-1966/

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE MINSK AUTOMOBILE PLANT PRODUCED THE MAZ-502 FROM 1957 TO 1966. IT IS A MODIFIED AND IMPROVED VERSION OF THE MAZ-200. MAJOR CHANGES INCLUDE 4-WHEEL DRIVE, GREATER WEIGHT, A SMALLER PAYLOAD, AND A METAL, WELDED SEAM BODY WITH HINGED TAILGATE. THE BODY IS EQUIPPED WITH GRILLED SIDEBORDS (FRONT AND SIDES), HINGED BENCHES, REMOVABLE CANOPY SUPPORTS AND CANOPY. THE THREE PLACE CAB HAS A WOODEN FRAMEWORK COVERED WITH METAL SHEATHING. SOME VEHICLES ARE EQUIPPED WITH WINCHES. THE MAZ-502A (WITH WINCH) AND MAZ-502V (TRUCK TRACTOR) MODIFICATIONS WERE ALSO BUILT. IN EXTERNAL APPEARANCE THE TWO VEHICLES ARE NEARLY IDENTICAL, EXCEPT THAT THE MAZ-502 USES SINGLE REAR WHEELS INSTEAD OF DUALS AND THE SPARE TIRE IS BEHIND THE CAB ON THE LEFT SIDE.

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U N C L A S S I F I E D

FOM-2320-2-4-64-A
 NOMEN: TRUCK, CARGO, 4-TON, 4X4 MAZ-502

CATALOG: T8-381-5-22
 (OLD 2-2320-4-64)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1957-1966/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 7700
 -PAYLOAD OFF HWY ----- 4000
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 11925
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 4100
 -EMPTY REAR ----- 3600
 -LOADED FRONT OFF HWY - 4475
 -LOADED REAR OFF HWY - 7450
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 3 IN CAB, 14 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- 9500
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7150
 WIDTH O/ALL ----- 2700
 HEIGHT O/ALL ----- 2725
 CARGO SPACE-
 -LENGTH ----- 3500
 -WIDTH ----- 2500
 -HGT OF SIDES ----- 1018
 TREAD, C TO C-
 -FRONT ----- 2030
 -REAR ----- 2030
 WHEELBASE ----- 4520
 GROUND CLEARANCE ----- 350
 PINFLR HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 47%
 TURNING RADIUS (MM) ----- 1200
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 45
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 1000
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 50
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- 52 DEG
 ANGLE OF DEPARTURE (DEG) --- 30 DEG
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- YAAZ-M 204 A
 TYPE ----- 2 CYCLE, 4 CYLINDER
 MAX HP AT RPM ----- 120 AT 2000
 MAX TORQUE (KGM) ----- 47 AT 1200-1400
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 108
 STROKE (MM) ----- 127
 DISPLACEMENT (LITERS) 4.65

FOM NR ----- FOM-2815-2-1-1

GENERAL DATA:

TIRES-

-SIZE ----- 15.00 X 20
 -PLY ----- 18
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 600
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 225
 -AUX TANK ----- 225

BRAKES-

-PRIMARY TYPE ----- ALL WHEELS, AIR
 -PARKING TYPE ----- MECH ACTUATOR ON TRANS

SUSPENSION SYSTEM-

-FRONT ----- *1
 -REAR ----- *1

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24V

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) --- ?

TANK BODY:

PUMP:

HOSES:

REMARKS:

1/ DOUBLE SEMIELLIPTIC SPRING

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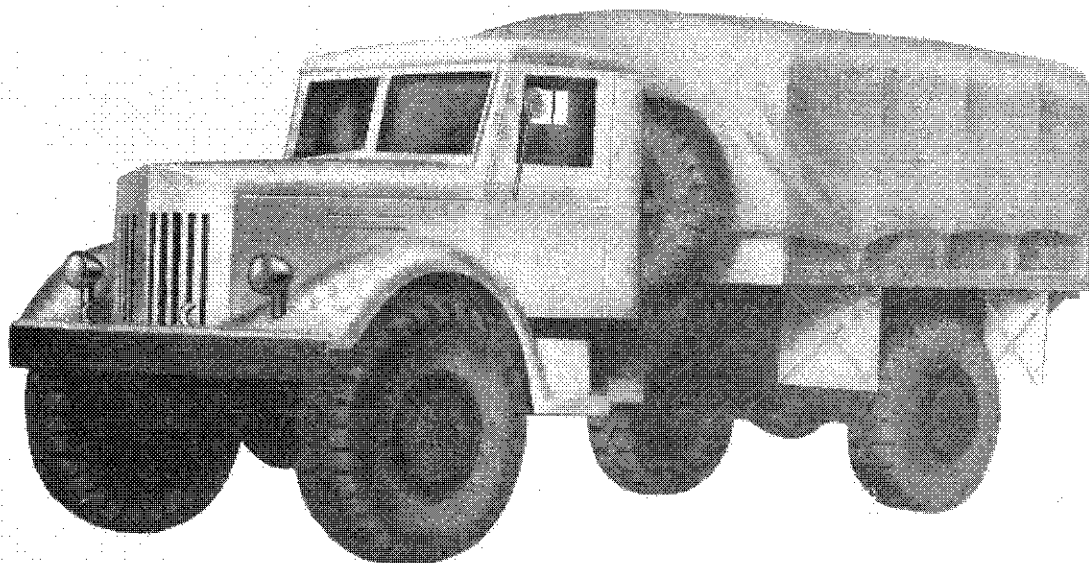
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U N C L A S S I F I E D

FORM-2320-Z-4-64-8
NOMEN: TRUCK, CARGO, 4-TON, 4X4 MAZ-502

PRODUCED/ADOPTED: 1957-1966/

CATALOG: T6-381-5-22
(OLD 2-2320-4-64)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-64-B
NOMEN: TRUCK, CARGO, 4-TON, 4X4 MAZ-502

CATALOG: TB-381-5-22
(OLD 2-2320-4-64)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1957-1966/

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-65-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, CARGO 3/4-TON 4 X 4 UAZ-4500.

(OLD 2-2320-4-65)

NATIVE DES: AVTOMOBILI UAZ-4500
PRODUCED/ADOPTED: 1958-1965/

COUNTRY: U.S.S.R.
DATE UPDATED: 13SEP73

(U)THE UAZ-450 SERIES WAS PRODUCED BY THE UL'YANOVSK MOTOR VEHICLE PLANT FROM 1958 TO 1965. THE BODY CONSISTED OF A WOODEN PLATFORM WITH THREE HINGED SIDEBORDS. THE TWO-PLACE CAB-OVER-ENGINE WAS OF ALL-METAL CONSTRUCTION. THE VARIOUS MODELS THAT MADE UP THE SERIES WERE THE UAZ-450 PANEL TRUCK, THE UAZ-450A LIGHT AMBULANCE, THE UAZ-450B LIGHT BUS, AND THE UAZ-450D LIGHT CARGO TRUCK- THE SUBJECT OF THIS FOMCAT.

(U)HAVING PRINCIPLE COMPONENTS OF THE UAZ-69 TRUCK (FOM-2320-2-4-32-1), THE UAZ-450 SERIES WAS DESIGNED TO SERVE INSTALLATIONS LOCATED IN AREAS HAVING POOR ROADS, SUCH AS FRONTIER REGIONS. THIS SERIES WAS ALSO ADOPTED BY THE SOVIETS FOR MILITARY PURPOSES. THE UAZ-450'S MODERN DESIGN AND SUPPORT USEFULNESS STILL FINDS EXTENSIVE APPLICATIONS BOTH IN THE USSR AND IN SATELLITE COUNTRIES.

(U)PRODUCTION OF THE UAZ-450 SERIES WAS SUPERSEDED BY THE UAZ-452 SERIES IN 1965.

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U N C L A S S I F I E D

FOM-2320-2-4-65-A

NOMEN: TRUCK, CARGO 3/4-TON 4 X 4 UAZ-4530

PRODUCED/ADOPTED: 1956-1965/

CATALOG: TB-381-5-22
 (OLD 2-2320-4-65)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 13SEP73

PHYSICAL DATA:

WEIGHT (KG):-

-CURB ----- 1700
 -PAYLOAD OFF HWY ----- 800
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 2650
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG):-
 -EMPTY FRONT ----- 985
 -EMPTY REAR ----- 715
 -LOADED FRONT OFF HWY - 1210
 -LOADED REAR OFF HWY -- 1440
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY -- ?
 PERSONNEL LOAD (NR) ---- 2 IN CAB
 MAX TOWED LOAD (KG):-
 -OFF HWY ----- 850
 -ON HWY ----- ?
 MAX SEMITRAILER (KG):-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 4405
 WIDTH O'ALL ----- 2040
 HEIGHT O'ALL ----- 2070
 CARGO SPACE-
 -LENGTH ----- 2600
 -WIDTH ----- 1870
 -HGT OF SIDES ----- 420
 TREAD, C TO C-
 -FRONT ----- 1436
 -REAR ----- 1436
 WHEELBASE ----- 2300
 GROUND CLEARANCE ----- 220
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 58 DEG
 TURNING RADIUS (MM) ----- 6000
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 14
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 400
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 90
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 33 DEG
 ANGLE OF DEPARTURE (DEG) --- 30
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

REMARKS:

1/ TWO LONGITUDINAL, SEMIELLIPITIC SPRINGS
 HYDRAULIC SHOCKS
 2/ TWO LONGITUDINAL, SEMIELLIPITIC SPRINGS
 HYDRAULIC SHOCKS
 3/ THREE SPEED FORWARD AND ONE
 REVERSE. SYNCHRONIZERS IN 2D
 AND 3D SPEEDS.

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ENGINE:

MODEL ----- UAZ-450, 4-CYL, 4-CYCLE
 TYPE ----- 4CYL, 4 CYCLE
 MAX HP AT RPM ----- 62 AT 3800
 MAX TORQUE (KGM) ----- 15.2 AT 2000
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 88
 STROKE (MM) ----- 100
 DISPLACEMENT (LITERS) 2.43

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 8.40 X 15
 -PLY ----- 6
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 370
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS):-

-MAIN TANK ----- 56
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC ALL WHEELS
 -PARKING TYPE ----- MECH. ACTUATOR ON TRANS.

SUSPENSION SYSTEM-

-FRONT ----- *1
 -REAR ----- *2

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - *3

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12 (ONE 6 ST-54 BATTERY)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

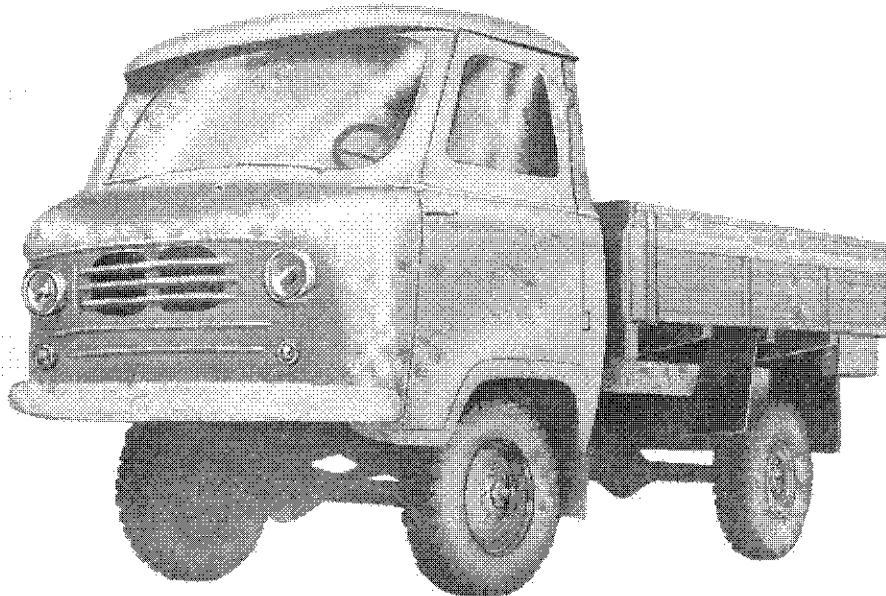
-CABLE LENGTH (MM) -- ?

U N C L A S S I F I E D

U N C L A S S I F I E D

FOH-2320-2-4-65-8
NOMEN: TRUCK, CARGO 3/4-TON 4 X 4 UAZ-450D
PRODUCED/ADOPTED: 1958-1965/

CATALOG: TB-381-5-22
(OLD 2-2320-4-65)
COUNTRY: U.S.S.R.
DATE UPDATED: 13SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-65-8

NOMEN: TRUCK, CARGO 3/4-TON 4 X 4 UAZ-4500

PRODUCED/ADOPTED: 1958-1965/

CATALOG: TB-381-5-22

(OLD 2-2320-4-65)

COUNTRY: U.S.S.R.

DATE UPDATED: 13SEP73

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DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

EQM-2320-2-4-67-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X2, URAL 355M

(OLD 2-2320-4-67)

NATIVE DES: AVTOMOBILI URAL-355M

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1958-1964/

DATE UPDATED: 20JUL73

(U) THE URAL-355M IS A MODESTLY UPDATED VERSION OF THE URAL ZIS-355, THE TRUCK IT SUPERSEDED IN 1958. THE CAB IS THE SAME AS, OR VERY SIMILAR TO THAT OF THE GAZ-51/63 TRUCKS. HOWEVER, IN MOST OTHER RESPECTS THE URAL-355M RESEMBLES THE ZIL-164, FALLING SLIGHTLY SHORT IN ENGINE POWER AND VEHICLE DIMENSIONS. IT PROBABLY WILL NOT BE USED BY THE MILITARY EXCEPT WHEN ZIL-164 TRUCKS ARE IN SHORT SUPPLY. PRODUCTION OF THIS VEHICLE WAS DISCONTINUED IN 1964.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-67-A
 NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X2, URAL 355M

CATALOG: TB-381-5-22
 (OLD 2-2320-4-67)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: 1958-1964/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 3360
 -PAYLOAD OFF HWY ----- 3000
 -PAYLOAD ON HWY ----- 3500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 6510
 -GROSS ON HWY ----- 7010
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1580
 -EMPTY REAR ----- 1780
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY -- 1810
 -LOADED REAR ON HWY -- 5200

PERSONNEL LOAD (NR) ----- #1

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6290
 WIDTH O'ALL ----- 2280
 HEIGHT O'ALL ----- 2080
 CARGO SPACE-

-LENGTH ----- 3540
 -WIDTH ----- 2069
 -HGT OF SIDES ----- 590

TREAD, C TO C-

-FRONT ----- 1675
 -REAR ----- 1675

WHEELBASE ----- 3824

GROUND CLEARANCE ----- 260

PINTLE HEIGHT ----- ?

HGT TO C. OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 21%

TURNING RADIUS (MM) ----- 8600

FORDING DEPTH (MM) ----- ?

FUEL CONSUM, LOADED -

-ROAD (L/100KM) ----- 34
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 320
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 75
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- 44

ANGLE OF DEPARTURE (DEG) --- 30

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- URAL-353A
 TYPE ----- 6 CYLINDER IN-LINE
 MAX HP AT RPM ----- 95 AT 2600
 MAX TORQUE (KGM) ----- 31 AT 1200-1300
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 101.6
 STROKE (MM) ----- 114.3
 DISPLACEMENT (LITERS) 5.55

FOM NR ----- FOM-2805-2-1-16

GENERAL DATA:

TIRES-

-SIZE ----- 8.25 X 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 460
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 110
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC ALL WHEELS
 -PARKING TYPE ----- MECHANICAL (REAR WHEELS)

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) --- N/A

HOSES:

REMARKS:

1/ TWO IN CAB; 18 IN REAR

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-67-8

NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X2, URAL 355M

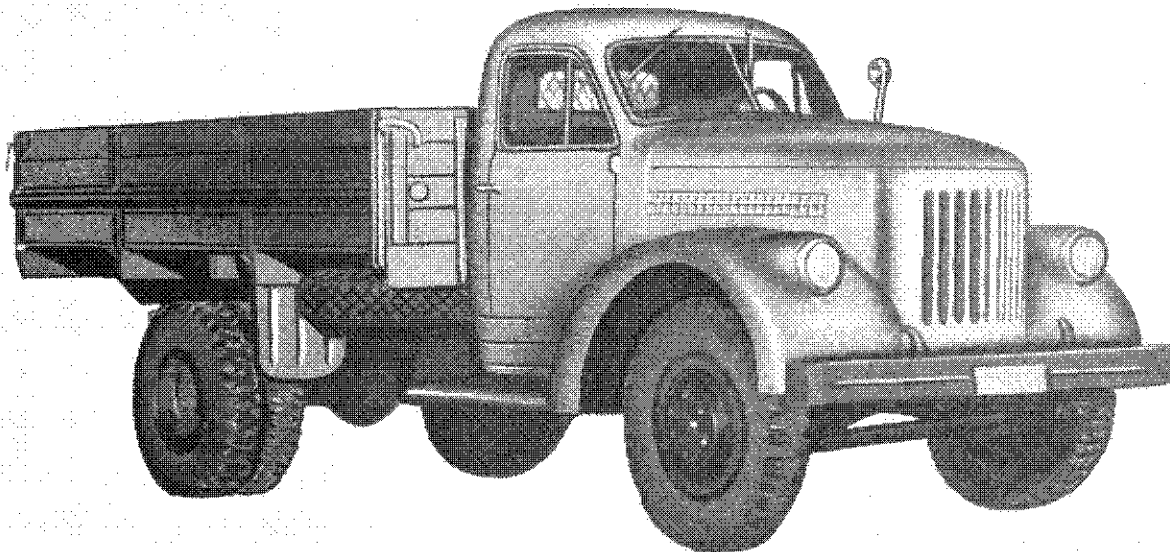
PRODUCED/ADOPTED: 1958-1964/

CATALOG: TB-381-5-22

(ULO Z-2320-4-67)

COUNTRY: U.S.S.R.

DATE UPDATED: 20JUL73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-67-8

NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X2, URAL 355M

PRODUCED/ADOPTED: 1958-1964/

CATALOG: TB-381-5-22

(OLD 2-2320-4-67)

COUNTRY: U.S.S.R.

DATE UPDATED: 20JUL73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-68-A

CATALOG: TB-381-5-22

NOMEN: TRUCK CARGO, 3 1/2 TON, 6X6, ZIL-131

(CLO 2-2320-4-68)

NATIVE DES: AVTOMOBILI ZIL-131

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1966-DATE/

DATE UPDATED: 07AUG73

(U)THE ZIL-131 REPLACES THE ZIL-157 AS THE BASIC TACTICAL GENERAL-PURPOSE TRUCK OF THE SOVIET ARMY. MAJOR IMPROVEMENTS INCLUDE INCREASED PAYLOAD-TO-WEIGHT RATIO, HIGHER OUTPUT ENGINE, IMPROVED POWER TRAIN ARRANGEMENT, SHORTER WHEELBASE, POWER STEERING, WATERPROOF IGNITION, AND MODIFIED CAB-CONTROLLED TIRE INFLATION SYSTEM. A UNIQUE FEATURE IS THE ABILITY OF THE FRONT AXLE DRIVE TO ENGAGE AUTOMATICALLY WHEN FIRST GEAR IS ENGAGED. AN ELECTROMAGNETIC SYSTEM IS INCORPORATED TO ACCOMPLISH THIS ACTION. ADDITIONALLY, THE OPERATOR CAN MANUALLY ENGAGE THE FRONT AXLE DRIVE IN SECOND GEAR WHEN OPERATING ON SLIPPERY ROADS, BY MEANS OF A SWITCH MOUNTED ON THE INSTRUMENT PANEL. THE ZIL-131 IS A CLASSICAL EXAMPLE OF SOVIET USAGE OF STANDARD PARTS IN VEHICLE DESIGN. APPROXIMATELY 44.7 PERCENT OF ZIL-131 COMPONENTS ARE ALSO UTILIZED IN THE ZIL-130.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-68-A

NOMEN: TRUCK CARGO, 3 1/2 TON, 6X6, ZIL-131

CATALOG: TB-381-5-22
 (OLD 2-2320-4-68)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1966-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 6460
 -PAYLOAD OFF HWY ----- 3500
 -PAYLOAD ON HWY ----- 5000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 10,185
 -GROSS ON HWY ----- 11,685
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2900
 -EMPTY REAR ----- 3560
 -LOADED FRONT OFF HWY - 3055
 -LOADED REAR OFF HWY -- 7130
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY --- ?

PERSONNEL LOAD (NR) ----- 3 IN CAB; 24 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- 4000
 -ON HWY ----- 5000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7040
 WIDTH O/ALL ----- 2500
 HEIGHT O/ALL ----- 2975

CARGO SPACE-

-LENGTH ----- 3600
 -WIDTH ----- 2322
 -HGT OF SIDES ----- 346

TREAD, C TO C-

-FRONT ----- 1820
 -REAR ----- 1820

WHEELBASE ----- 3975

GROUND CLEARANCE ----- 330

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60%
 TURNING RADIUS (MM) ----- 10200
 FORDING DEPTH (MM) ----- 1400

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 40
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 850
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 80
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- 45

ANGLE OF DEPARTURE (DEG) --- 40

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM)

ENGINE:

MODEL ----- ZIL-131
 TYPE ----- V-8 OHV
 MAX HP AT RPM ----- 150 AT 3200
 MAX TORQUE (KGK) ----- 41 AT 1800-2000
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 100
 STROKE (MM) ----- 95
 DISPLACEMENT (LITERS) 6

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 X 20
 -PLY ----- 14
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 532
 -INFLATION SYSTEM --- CAB CONTROLLED

FUEL CAP (LITERS)-

-MAIN TANK ----- 170
 -AUX TANK ----- 170

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- *1
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- *2
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12V (WATERPROOF)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ SEMIELLIPTIC SPRINGS W/DOUBLE ACTING
 SHOCK ABSORBERS
 2/ MANUAL (2,3,4,5 SYNCHRONIZED)

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-08-8

NOMEN: TRUCK CARGO, 3 1/2 TON, 6x6, ZIL-131

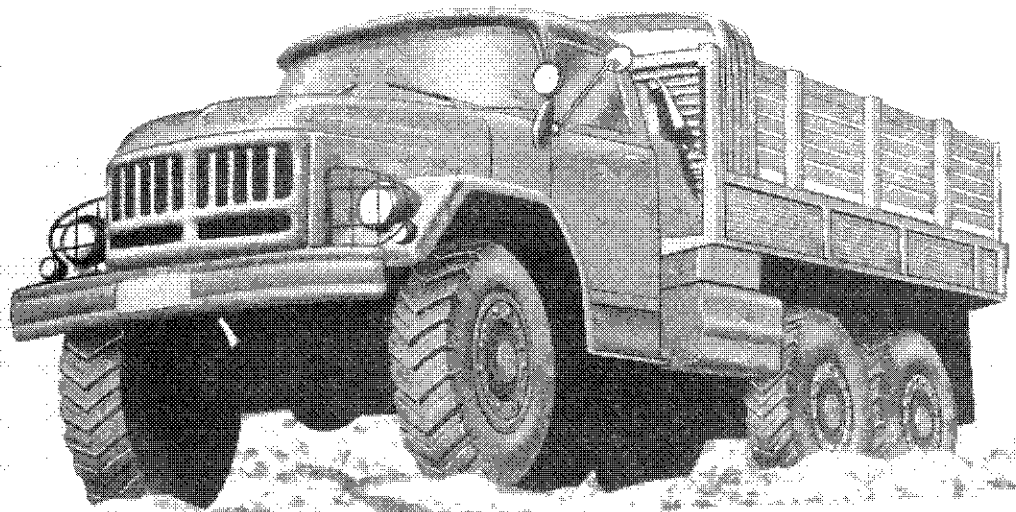
PRODUCED/ADOPTED: 1966-DATE/

CATALOG: TB-351-5-22

(OLD Z-2320-4-68)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73



DATE CATALOGED: 01OCT71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-68-B
NOMEN: TRUCK CARGO, 3 1/2 TON, 6X6, ZIL-131

PRODUCED/ADOPTED: 1966-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-68)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-69-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 4-1/2-TON 6X6 URAL-375

(OLD 2-2320-4-69)

NATIVE DES: AVTOMOBILI URAL-375
PRODUCED/ADOPTED: 1961-DATE/COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

(U)THE URAL-375 IS AN ALL-WHEEL DRIVE, GASOLINE-POWERED TRUCK RATED AT 4 1/2-TONS. IT IS A MILITARY TRUCK WHICH WENT INTO PRODUCTION AT THE URAL MOTOR VEHICLE PLANT IN 1961. THE TRUCK APPEARS DESTINED TO BE THE MOST WIDELY USED TACTICAL TRUCK IN THE SOVIET ARMY. BESIDES FUNCTIONING AS A GENERAL CARGO CARRIER, IT MAY REPLACE THE ARTILLERY TRACTOR AT-L AS THE PRIME MOVER FOR LIGHT ARTILLERY AND MORTARS. THE IMPROVED URAL-375D WENT INTO PRODUCTION IN 1968. (U)A CANVAS-TOP CAB, FOLD-DOWN WINDSHIELD, AND A STAKE BODY MAKE IT POSSIBLE TO REDUCE THE TRUCK'S HEIGHT FOR AIR TRANSPORT. THE VEHICLE ALSO HAS POWER STEERING, A TWO-SPEED TRANSFER CASE, A TWO-SPEED LIMITED SLIP DIFFERENTIAL, TELESCOPIC SHOCK ABSORBERS, AND TIRE AIR PRESSURE CAN BE CONTROLLED FROM THE DRIVER'S SEAT WHILE THE VEHICLE IS IN MOTION. A WINCH MOUNTED ON THE REAR OF THE FRAME IS DRIVEN FROM A POWER TAKEOFF. THE STAKE BODY CONSISTS OF A SHEET METAL PLATFORM WITH HINGED TAILGATE AT REAR.

(U)PRODUCTION OF THIS TRUCK WAS STARTED IN 1961 BUT WAS DISCONTINUED AT AN UNDETERMINED DATE AFTER SUBSTANTIAL NUMBERS WERE TURNED OUT, POSSIBLY BECAUSE OF A SERIOUS DESIGN DEFECT THAT REQUIRED CORRECTIVE MEASURES. MANUFACTURE WAS RESUMED IN THE SUMMER OF 1963.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-2-4-69-A
 NOMEN: TRUCK, CARGO, 4-1/2-TON 6X6 URAL-375

CATALOG: TB-381-5-22
 (OLD 2-2320-4-69)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1961-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 8400
 -PAYLOAD OFF HWY ----- 4500
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 13200
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 3500
 -EMPTY REAR ----- 2450 (EA)
 -LOADED FRONT OFF HWY - 3900
 -LOADED REAR OFF HWY - 4650 (EA)
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- SEE REMARKS

MAX TOWED LOAD (KG)-

-OFF HWY ----- 10000
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7350
 WIDTH O'ALL ----- 2690
 HEIGHT O'ALL ----- 2980

CARGO SPACE-

-LENGTH ----- 3900
 -WIDTH ----- 2430
 -HGT OF SIDES ----- 872

TREAD, C TO C-

-FRONT ----- 2000
 -REAR ----- 2000

WHEELBASE ----- 4200

GROUND CLEARANCE ----- 400

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 65%
 TURNING RADIUS (MM) ----- 10500

FORDING DEPTH (MM) ----- 1558

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 48
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 750
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 75
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- 44

ANGLE OF DEPARTURE (DEG) --- 40

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) 2

ENGINE:

MODEL ----- ZIL-375
 TYPE ----- 4 CYCLE, V-8 DV
 MAX HP AT RPM ----- 180 AT 3200
 MAX TORQUE (KGM) ----- 47.5 AT 1800
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 108
 STROKE (MM) ----- 95
 DISPLACEMENT (LITERS) 7.0

FOR NR ----- 2805-2-1-13

GENERAL DATA:

TIRES-

-SIZE ----- 14:00 X 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 595
 -INFLATION SYSTEM --- CAB CONTROLLED

FUEL CAP (LITERS)-

-MAIN TANK ----- 300
 -AUX TANK ----- 60

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC AIR ASSISTED
 -PARKING TYPE ----- MECH ACTUATOR ON TRANS

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPITIC SPRINGS
 -REAR ----- SEMIELLIPITIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- MECH P.T.O.

-CAPACITY (KG) ----- 7000

-CABLE LENGTH (MM) --- 65,000

TANK BODY:

PUMP:

HOSES:

REMARKS:

4 THREE IN CAB; 24 IN REAR

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOIA-2320-2-4-69-B.

NOMEN: TRUCK; CARGO; 4-1/2-TON 6X6 URAL-375

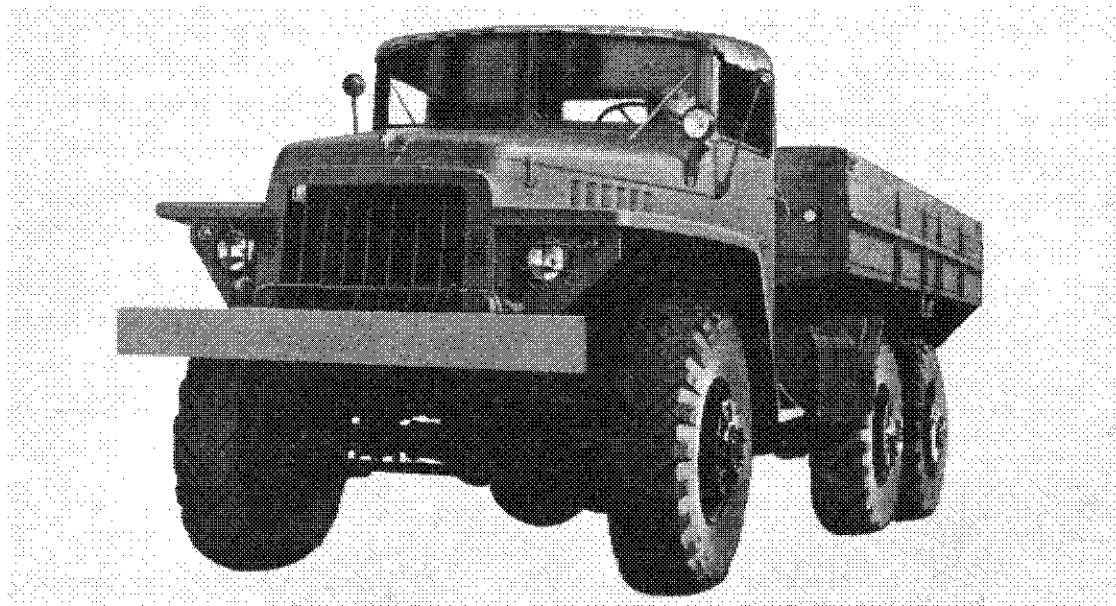
PRODUCED/ADOPTED: 1961-DATE/

CATALOG: TB-381-5-22

(OLD 2-2320-4-69)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOH-2320-2-4-69-8

NOMEN: TRUCK, CARGO, 4-1/2-TON 6X6 URAL-375

PRODUCED/ADOPTED: 1961-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-69)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-69-1-A

CATALOG: T8-381-5-22

NOMEN: TRUCK CARGO, 4 1/2 TON 6X6 URAL-375D

(OLD 2-2320-4-69-1)

NATIVE DES: AVTOMOBILI URAL-375D

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1968-DATE/

DATE UPDATED: 30AUG73

(U)THE URAL-375D IS AN ALL-WHEEL, GASOLINE POWERED TRUCK RATED AT 4 1/2 TONS PAYLOAD CAPACITY. THE TRUCK IS ONE OF THE MOST WIDELY USED TACTICAL TRUCKS IN THE SOVIET ARMY. IN ADDITION TO FUNCTIONING AS A GENERAL CARGO CARRIER IT IS RAPIDLY REPLACING THE ARTILLERY TRACTOR, AT-L AS THE PRIME MOVER FOR LIGHT ARTILLERY AND MOTORS.

(U)A REMOVABLE CANVAS TOP AND BOWS, FOLDDOWN WINDSHIELD, AND A STAKE BODY MAKE IT POSSIBLE TO REDUCE THE TRUCK'S HEIGHT FOR AIR TRANSPORT. THE VEHICLE ALSO HAS POWER STEERING, A TWO-SPEED TRANSFER CASE, A TWO-SPEED LIMITED SLIP DIFFERENTIAL AND TELESCOPIC SHOCK ABSORBERS.

(U)PRODUCTION OF THE URAL-375 WAS STARTED IN 1961 BUT WAS DISCONTINUED AT AN UNDETERMINED DATE AFTER SUBSTANTIAL NUMBERS WERE TURNED OUT, POSSIBLY BECAUSE OF A SERIOUS DESIGN DEFECT THAT REQUIRED CORRECTIVE MEASURES. MANUFACTURE WAS RESUMED IN THE SUMMER OF 1963. THE IMPROVED URAL-375D WENT INTO PRODUCTION IN 1968.

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U N C L A S S I F I E D

FOM-2320-2-4-69-1-A
 NOMEN: TRUCK CARGO, 4 1/2 TON 6X6 URAL-3750

CATALOG: T6-381-5-22
 TOLO 2-2320-4-69-11
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1968-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 8400
 -PAYLOAD OFF HWY ----- 4500
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 13,200
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 3500
 -EMPTY REAR ----- 2450 (EA)
 -LOADED FRONT OFF HWY - 3900
 -LOADED REAR OFF HWY -- 4650 (EA)
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY --- ?
 PERSONNEL LOAD (NR) ----- 3 IN CAB 24 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 10000
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7350
 WIDTH O/ALL ----- 2640
 HEIGHT O/ALL ----- 2980
 CARGO SPACE-
 -LENGTH ----- 3900
 -WIDTH ----- 2430
 -HGT OF SIDES ----- 872
 TREAD, C TO C-
 -FRONT ----- 2000
 -REAR ----- 2000
 WHEELBASE ----- 4200
 GROUND CLEARANCE ----- 400
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 65%
 TURNING RADIUS (MM) ----- 10800
 FORDING DEPTH (MM) ----- 1490
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 48
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 750
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 75
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 44 DEG
 ANGLE OF DEPARTURE (DEG) --- 40 DEG
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ MECHANICAL ACTUATOR ON TRANSMISSION
 2/ SEMIELLIPTICAL LEAF SPRINGS
 3/ CENTRALIZER ARM, ON TWO LONG-
 ITUDINAL SEMIELLIPTICAL SPRINGS
 4/ MANUAL SYNCHRONIZERS IN 2D
 3D 4TH AND 5TH SPEEDS

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ENGINE:

MODEL ----- ZIL-375
 TYPE ----- V-8, 4 CYCLE, OHV
 MAX HP AT RPM ----- 180 AT 3000
 MAX TORQUE (KGM) ----- 47.5 AT 1800
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 108
 STROKE (MM) ----- 95
 DISPLACEMENT (LITERS) 7.0

FOM NR ----- FOM-2-2805-1-13

GENERAL DATA:

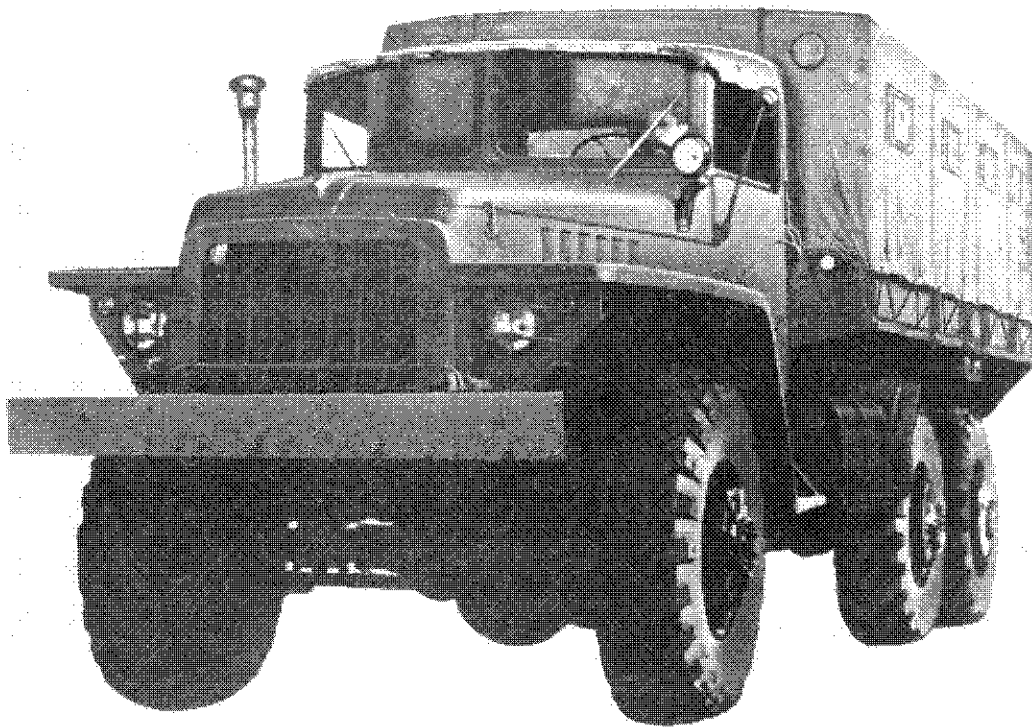
TIRES-
 -SIZE ----- 14:00 X 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 595
 -INFLATION SYSTEM --- CAB CONTROLLED
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 300
 -AUX TANK ----- 60
 BRAKES-
 -PRIMARY TYPE ----- HYDRO-PNEUMATIC
 -PARKING TYPE ----- #1
 SUSPENSION SYSTEM-
 -FRONT ----- #2
 -REAR ----- #3
 TRANSMISSION-
 -TYPE ----- #4
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- YES
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- MECHANICAL
 -CAPACITY (KG) ----- 7000
 -CABLE LENGTH (MM) -- 65,000

U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-69-1-B
NDMEN: TRUCK CARGO, 4 1/2 TON 6X6 URAL-375D
PRODUCED/ADOPTED: 1966-DATE/

CATALOG: 78-381-5-22
IOL: 2-2320-4-69-1J
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-69-1-B
NOMEN: TRUCK CARGO, 4 1/2 TON 6X6 URAL-3750

PRODUCED/ADOPTED: 1968-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-69-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-70-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, DUMP, 10 TON, 6X4 KRAZ-222

(OLD 2-2320-4-70)

NATIVE DES: AVTOMOBILI, SAMOSVALY KRAZ-222
PRODUCED/ADOPTED: 1959-DATE/

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE KRAZ-222 DUMP TRUCK HAS BEEN PRODUCED AT THE KREMENCHUG MOTOR VEHICLE PLANT SINCE 1959. FROM 1951 TO 1959, THIS TRUCK WAS IN PRODUCTION AT THE YAROSLAVL' MOTOR VEHICLE PLANT WHERE ITS DESIGNATION WAS YAAZ-222. THE KRAZ-222 REPLACED THE EARLIER YAAZ-210E DUMP TRUCK FOR BOTH MILITARY AND CIVILIAN USE. IT IS DESIGNED FOR USE IN CONSTRUCTION WORK WHERE HEAVY EARTH, ROCK EXCAVATION, AND CONCRETE OPERATIONS ARE INVOLVED. THE METAL CAB IS FULLY ENCLOSED AND IS PROTECTED BY A METAL SHIELD.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-70-A
 NOMEN: TRUCK, DUMP, 10 TON, 6X4 KRAZ-222

CATALOG: TB-381-5-22
 (OLD 2-2320-4-70)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1959-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 12200
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 10,000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 22,200
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 4050
 -EMPTY REAR ----- 4075 (EA)
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 4660
 -LOADED REAR ON HWY - 8770 (EA)
 PERSONNEL LOAD (NR) ----- 3 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 3190
 WIDTH O'ALL ----- 2650
 HEIGHT O'ALL ----- 2760
 CARGO SPACE-
 -LENGTH ----- 4570
 -WIDTH ----- 2130
 -HGT OF SIDES ----- 790
 TREAD, C TO C-
 -FRONT ----- 1950
 -REAR ----- 2650
 WHEELBASE ----- 4780
 GROUND CLEARANCE ----- 290
 PINTLE HEIGHT ----- 880
 HGT TO C OF 5TH WHL - N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 10,500
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 38
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 344 ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 47
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) -----
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- YAAZ-M206A
 TYPE ----- 6 CYL, INLINE, 2 STROKE
 MAX HP AT RPM ----- MAX HP AT RPM - 180 @ 2000
 MAX TORQUE (KGM) ----- #1
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE -
 BORE (MM) ----- 108
 STROKE (MM) ----- 127
 DISPLACEMENT (LITERS) 6.97

FOM NR ----- 2815-2-1-2

GENERAL DATA:

TIRES-
 -SIZE ----- 12.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 225
 -AUX TANK ----- ?
 BRAKES-
 -PRIMARY TYPE ----- PNEUMATIC
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTICAL SPGS
 -REAR ----- SEMIELLIPTICAL SPGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/2
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 24V
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

REMARKS:

1/ MAX TORQUE AT RPM (KGM) 72 @ 1200-1400

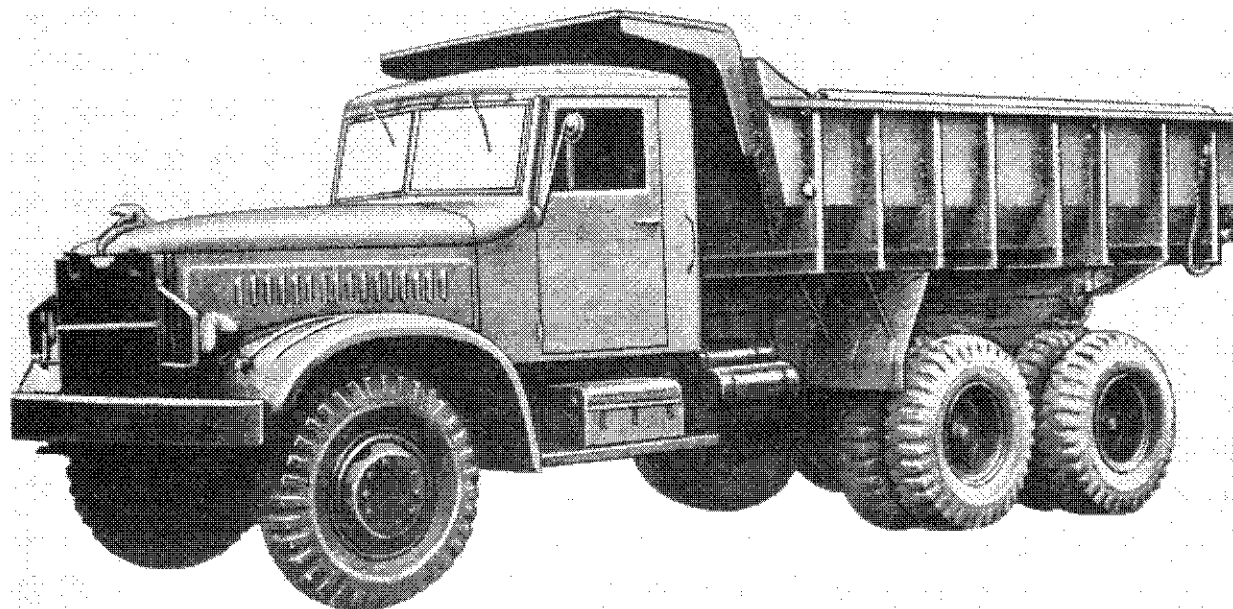
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-70-8
NOMEN: TRUCK, DUMP, 10 TON, 6X4 KRAZ-222
PRODUCED/ADOPTED: 1959-DATE/

CATALOG: TB-381-5-22
IOLD 2-2320-4-701
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-70-B
NOMEN: TRUCK, DUMP, 10 TON, 6X4. KRAZ-222
PRODUCED/ADOPTED: 1959-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-70)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FOM-2320-2-4-71-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NGMEN: TRUCK, CARGO, 12-TON, 6X4 KRAZ-219

(OLD 2-2320-4-71)

NATIVE DES: AVTOMOBILI KRAZ-219

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1958-1965/

DATE UPDATED: 07AUG73

(U)THE KRAZ-219, A 12-TON 6 X 4 CARGO TRUCK, WAS THE BASIC MODEL FOR A FAMILY OF HEAVY DUTY, 3-AXLE, DIESEL TRUCKS. THIS FAMILY INCLUDES THE KRAZ-214, A 7-TON, 6 X 6 CARGO TRUCK; THE KRAZ-221, A 6 X 4 TRUCK TRACTOR; AND THE KRAZ-222, A 10-TON, 6 X 4 DUMP TRUCK.

(U)PRODUCTION OF THE TRUCK STARTED IN 1958 AT THE YARUSLAVL' MOTOR VEHICLE PLANT, WHERE IT WAS DESIGNATED THE YAAZ-219. PRODUCTION WAS SHIFTED TO THE KREMENCHUG MOTOR VEHICLE PLANT IN 1959 AND THE YAAZ-219 BECAME THE KRAZ-219. THE ONLY DESIGN CHANGE WAS THE REMOVAL OF THE RADIATOR ORNAMENT, THE SILVER FIGURE OF A BEAR. THE KRAZ-219 WAS REPLACED IN PRODUCTION BY THE KRAZ-257, 12-TON 6 X 4 (FOM-2320-2-4-119).

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U N C L A S S I F I E D

FOM-2320-2-4-71-A

NOMEN: TRUCK, CARGO, 12-TON, 6X4 KRAZ-219

PRODUCED/ADOPTED: 1958-1965/

CATALOG: TB-381-5-22
 (OLD 2-2320-4-71)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 07AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 11,300
 -PAYLOAD OFF HWY ----- 10,000
 -PAYLOAD ON HWY ----- 12,000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 21,525
 -GROSS ON HWY ----- 23,525
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 4215
 -EMPTY REAR ----- 3542.5 (EA)
 -LOADED FRONT OFF HWY -- 3919
 -LOADED REAR OFF HWY -- 8803 (EA)
 -LOADED FRONT ON HWY -- 4585
 -LOADED REAR ON HWY -- 9470 (EA)

PERSONNEL LOAD (NR) ----- 3 IN CAB, 34 IN REAR ?

MAX TOWED LOAD (KG)-

-OFF HWY ----- 7
 -ON HWY ----- 15,000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 9660
 WIDTH O'ALL ----- 2650
 HEIGHT O'ALL ----- 2620
 CARGO SPACE-

-LENGTH ----- 5770
 -WIDTH ----- 2480
 -HGT OF SIDES ----- 824

TREAD, C TO C-

-FRONT ----- 1950
 -REAR ----- 1920

WHEELBASE ----- 5750

GROUND CLEARANCE ----- 290

PINTLE HEIGHT ----- 890

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 36%

TURNING RADIUS (MM) ----- 12500

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 60
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 750
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 55
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- 42 DEG

ANGLE OF DEPARTURE (DEG) --- 18

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- YAAZ-M206A
 TYPE ----- 6 CYL, IN-LINE, 2 CYC
 MAX HP AT RPM ----- 180 AT 2000
 MAX TORQUE (KGM) ----- 72 AT 1200-1400
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 108
 STROKE (MM) ----- 127
 DISPLACEMENT (LITERS) 6.97

FOM NR ----- 2815-2-1-2

GENERAL DATA:

TIRES-

-SIZE ----- 12.00X20
 -PLY ----- 14
 -TYPE -----

-LOADED RADIUS (MM) - 512

-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 225

-AUX TANK ----- 225

BRAKES-

-PRIMARY TYPE ----- AIR BRAKES ALL WHEELS

-PARKING TYPE ----- MECH ACTUATOR ON TRANS

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS

-REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A

-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24V

WINCH-TYPE ----- MECHANICAL

-CAPACITY (KG) ----- 8000

-CABLE LENGTH (MM) -- 55000 MM

TANK BODY:

PUMPS:

HOSES:

REMARKS:

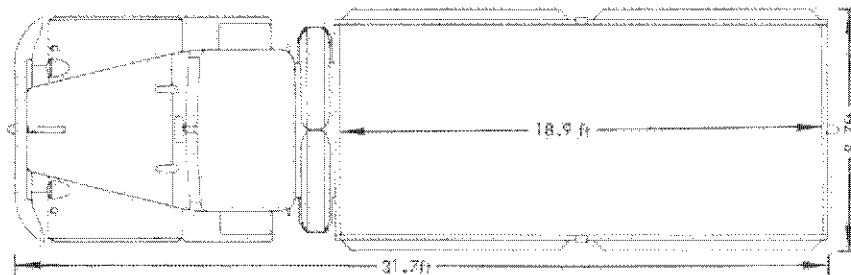
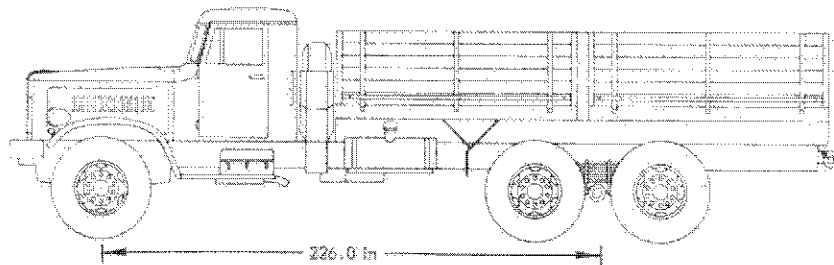
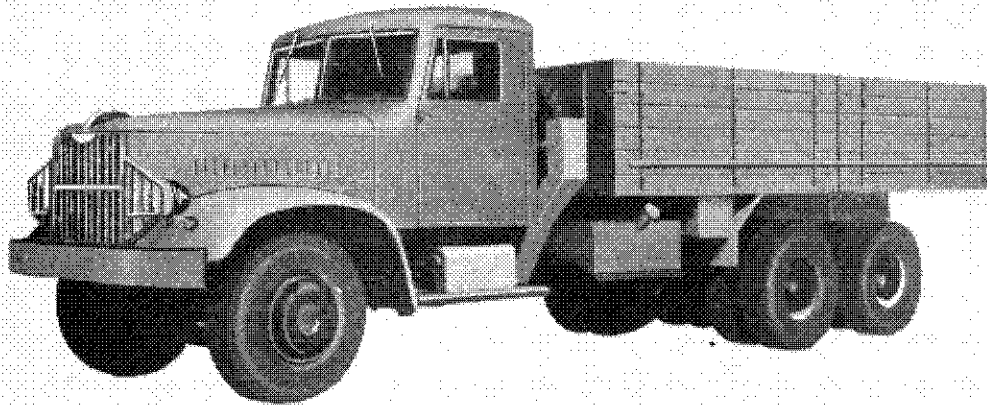
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-2-4-71-B
NOMEN: TRUCK, CARGO, 12-TON, 6X4 KRAZ-219
PRODUCED/ADOPTED: 1958-1965/

CATALOG: TB-381-5-22
(OLD 2-2320-4-71)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-71-B
NOMEN: TRUCK, CARGO, 12-TON, 6X4 KRAZ-219
PRODUCED/ADOPTED: 1958-1965/

CATALOG: TB-381-5-22
(OLD 2-2320-4-71)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

FORM-2320-2-4-72-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK CARGO 5-TON 4X2 KAZ-605 (KOLKHIDA)

(OLD 2-2320-4-72)

NATIVE DES: AVTOMOBILI KAZ-605 "KOLKHIDA".

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1958-DATE/

DATE UPDATED: 30AUG73

(U)THE KAZ-605 TRUCK WITH ITS SHORT WHEELBASE IS DESIGNED FOR NEGOTIATING SHARP TURNS IN MOUNTAINOUS TERRAIN. TO OPERATE MORE EFFECTIVELY IN WARM AREAS, IT HAS A COOLING SYSTEM OF LARGER CAPACITY THAN IS USUAL FOR SOVIET AUTOMOTIVE EQUIPMENT.

(U)INCORPORATING A CAB-OVER-ENGINE DESIGN PERMITTING GOOD VISIBILITY, THE CAB HAS 4 SEATS, A PANORAMIC WINDSHIELD, AND A GEARSHIFT CONTROL LOCATED ON THE STEERING COLUMN. BEHIND THE CAB IS A METAL PLATFORM WITH HINGED SIDES.

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U N C L A S S I F I E D

FOM-2320-2-4-72-A
 NOMEN: TRUCK CARGO 5-TUN 4X2 KAZ-605 (KOLKHIDA)

CATALOG: T8-381-5-22
 (OLD 2-2320-4-72)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1958-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4330
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 5000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 9930
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY -- ?

PERSONNEL LOAD (NR) ----- 4 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6400
 WIDTH O/ALL ----- 2400
 HEIGHT O/ALL ----- 2350

CARGO SPACE-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- 1770
 -REAR ----- 1740

WHEELBASE ----- 3200

GROUND CLEARANCE ----- 265

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 7500
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 85
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- *1
 TYPE ----- *2
 MAX HP AT RPM ----- *3
 MAX TORQUE (KGM) ----- *4
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 101.6; 100
 STROKE (MM) ----- 114.3; 95
 DISPLACEMENT (LITERS) 5.55; 6

FOM NR ----- 2805-2-1-11; 2805-2-1-12

GENERAL DATA:

TIRES-

-SIZE ----- 9:00 X 20
 -PLY ----- 12
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 490
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- ?
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPGS
 -REAR ----- SEMIELLIPTIC SPGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - ?

TRANSFER, NR SPEEDS --- ?

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- ?

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ 2 EARLY PRODUCTION MODELS ARE
 EQUIPPED WITH THE ZIL-164 ENGINE
 BUT THE STANDARD ENGINE TO BE USED
 WILL PROBABLY BE THE ZIL-130.
 2/ 6 CYLINDER INLINE OR 8 CYLINDER V
 OHV
 3/ 100 AT 2800; 150 AT 3100
 4/ 33 AT 1100-1400; 41 AT 1800-2000

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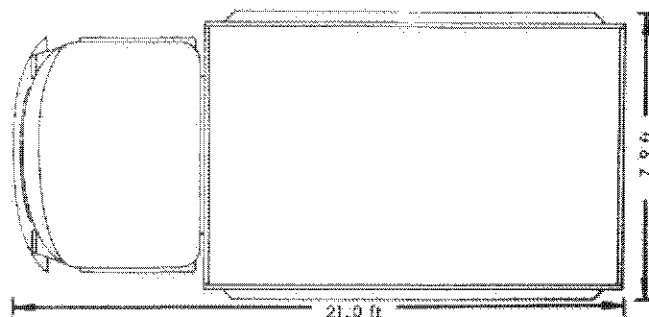
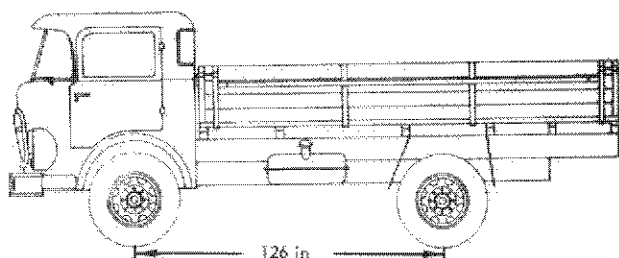
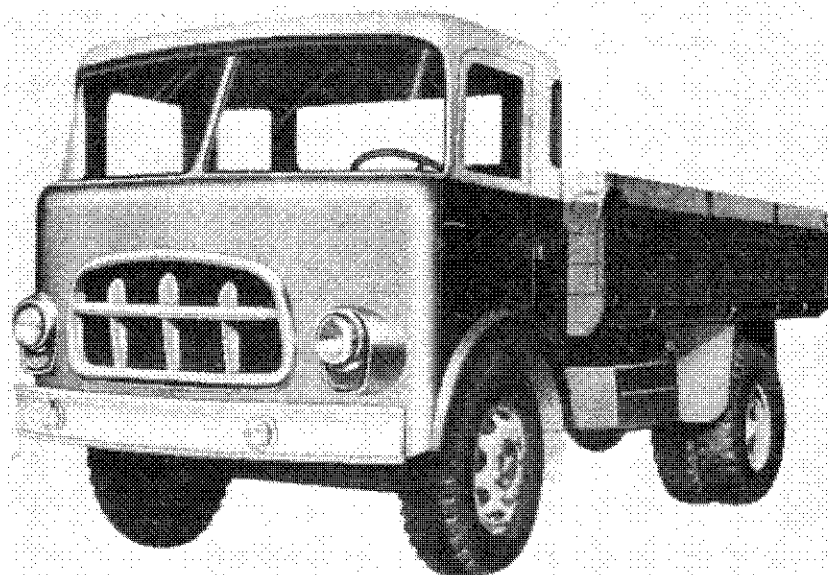
U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-72-B
NOMEN: TRUCK CARGO 5-TON 4X2 KAZ-605 (KOLKHIDA)

PRODUCED/ADOPTED: 1958-DATE/

CATALOG: T8-381-5-22
(OLD 2-2320-4-72)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2320-2-4-72-B
NOMEN: TRUCK CARGO 5-TON 4X2 KAZ-605 (KOLKHIDA)

PRODUCED/ADOPTED: 1958-DATE/

CATALOG: T8-381-5-22
(OLD 2-2320-4-72)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-73-A

CATALOG: T8-391-5-22

NOMEN: TRUCK, CARGO, 2-TON, 4X4, GAZ-66

(OLD 2-2320-2-73)

NATIVE DES: AVTOMOBILI GAZ-66
PRODUCED/ADOPTED: 1965-DATE/

COUNTRY: U.S.S.R.
DATE UPDATED: 13SEP73

(U)THE GAZ-66, 4 X 4 CARGO TRUCK IS THE REPLACEMENT FOR THE GAZ-63. PRODUCTION OF THE GAZ-66 CROSS-COUNTRY MILITARY TRUCK WAS BEGUN IN 1965 AND SINCE THEN LARGE NUMBERS OF THE VEHICLE HAVE BEEN OBSERVED WITH TROOPS.

(U)THE IMPROVEMENTS OVER THE GAZ-63 INCLUDE THE INSTALLATION OF A V-8 ENGINE, UTILIZATION OF A FOUR-SPEED TRANSMISSION, INSTALLATION OF A NEW TYPE OF DIFFERENTIAL, AND USE OF LARGE LOW-PRESSURE TIRES. THE TENDENCY OF THE GAZ-63 TO OVERTURN ON SHARP TURNS HAS BEEN AVOIDED IN THE GAZ-66 BY USING A LOWER CENTER OF GRAVITY.

(U)SEVERAL VERSIONS OF THE GAZ-66 WILL BE PRODUCED. THE GAZ-66A, A CARGO TRUCK, HAS A CAB WITH A CANVAS TOP AND A FOLD-DOWN WINDSHIELD, AND IS ESPECIALLY SUITABLE FOR AIRBORNE USE. OTHER VERSIONS ARE THE GAZ-66P TRUCK TRACTOR FOR USE WITH A SEMITRAILER OF 4-TON CAPACITY, A DUMP TRUCK, AND A TANKER.

(U)SINCE 1968 ALL VEHICLES HAVE BEEN EQUIPPED WITH A SYSTEM FOR REGULATING TIRE PRESSURES

(U)ILLUSTRATED HERE IS THE TRUCK, CARGO, 2 TON, 4X4, GAZ-66A

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U N C L A S S I F I E D

FOM-2320-2-4-73-A
 NOMEN: TRUCK, CARGO, 2-TON, 4X4, GAZ-66

CATALOG: TB-381-5-22
 (OLD 2-2320-2-73)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: 1965-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 3470
 -PAYLOAD OFF HWY ----- 2000
 -PAYLOAD ON HWY ----- 2000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 5800
 -GROSS ON HWY ----- 5800
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2140
 -EMPTY REAR ----- 1330
 -LOADED FRONT OFF HWY - 2730
 -LOADED REAR OFF HWY - 3070
 -LOADED FRONT ON HWY - 2730
 -LOADED REAR ON HWY - 3070

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- 2000
 -ON HWY ----- 2000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5655
 WIDTH O'ALL ----- 2322
 HEIGHT O'ALL ----- 2440

CARGO SPACE-

-LENGTH ----- 3330
 -WIDTH ----- 2050
 -HGT OF SIDES ----- 890

TREAD, C TO C-

-FRONT ----- 1800
 -REAR ----- 1750

WHEELBASE ----- 3300

GROUND CLEARANCE ----- 315

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 10.0
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 24
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 875
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 90
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- 42

ANGLE OF DEPARTURE (DEG) --- 32

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- *1
 TYPE ----- V8 OHV
 MAX HP AT RPM ----- 115 AT 3200
 MAX TORQUE (KGM) ----- 29 AT 2000-2500
 FUEL TYPE ----- GASOLINE (70-OCTANE)
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 92
 STROKE (MM) ----- 80
 DISPLACEMENT (LITERS) 4.25

FOM NR ----- FOM 2805-2-1-8

GENERAL DATA:

TIRES-

-SIZE ----- 12.00X18
 -PLY ----- 8
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 505
 -INFLATION SYSTEM --- YES

FUEL CAP (LITERS)-

-MAIN TANK ----- 105
 -AUX TANK ----- 105

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC (VACUUM ASSIST)
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPGS
 -REAR ----- SEMIELLIPTIC SPGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/L

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- YES

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- MECHANICAL, 2-SPEED

-CAPACITY (KG) ----- 3500

-CABLE LENGTH (MM) --- 50 M OF 12.5 MM CABLE

REMARKS:

1/ GAZ-66 (VARIANT OF THE GAZ 13)

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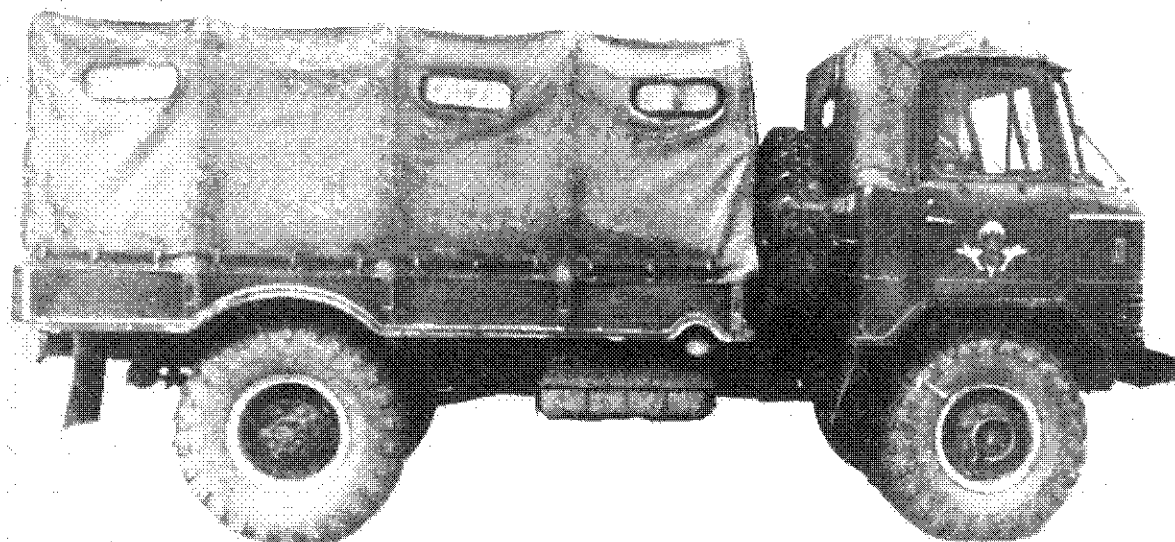
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U N C L A S S I F I E D

FORM-2320-2-4-73-B
NOMEN: TRUCK, CARGO, 2-TON, 4X4, GAZ-66

CATALOG: TG-381-5-22
(OLD 2-2320-2-73)
COUNTRY: U.S.S.R.
DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: 1965-DATE/



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-73-8

NOMEN: TRUCK, CARGO, 2-TON, 4X4, GAZ-66

PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-9-22
(OLD 2-2320-2-73)
COUNTRY: U.S.S.R.
DATE UPDATED: 13SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-74-1-A

CATALOG: T6-381-5-22

NOMEN: TRUCK, CARGO, 1-TON 4X2 UAZ-451DM

(OLD 2-2320-4-74-1)

NATIVE DES: AVTOMOBIL1 UAZ-451DM
PRODUCED/ADOPTED: 1968-DATE/COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE UAZ-451D IS A MODIFIED COMMERCIAL VERSION OF THE OLDER UAZ-450D. ITS MILITARY APPLICATION WOULD PROBABLY BE AS A POST, CAMP, OR STATION ADMINISTRATIVE VEHICLE WHERE ROUGH TERRAIN WOULD NOT BE A FACTOR. IN THIS MODEL THE FRONT-WHEEL DRIVE HAS BEEN OMITTED AND A MORE POWERFUL ENGINE PROVIDED. THE OPEN BODY HAS THREE HINGED SIDES WITH THE FRONT, OR FOURTH, SIDE REMOVABLE TO PROVIDE A FLAT CARGO BED. THE CAB OVER THE ENGINE SEATS TWO, AND ITS WIDE WINDSHIELD INSURES GOOD VISIBILITY AHEAD.

(U)MAJOR DEFICIENCIES ARE THE TRUCK'S EXCESSIVE WEIGHT AS COMPARED TO SIMILAR VEHICLES BUILT IN OTHER BLOC COUNTRIES, THUS NECESSITATING AN INCREASE IN HORSEPOWER. DEVIATING FROM RECOGNIZED DESIGN STANDARDS, THE POWERED REAR AXLE CARRIES ONLY 41 PERCENT OF THE TOTAL WEIGHT, RESULTING IN AN UNBALANCED WEIGHT DISTRIBUTION. BECAUSE THE CENTER OF GRAVITY IS TOO FAR FORWARD, THE VEHICLE HAS POOR TRACTION AND ROAD-HOLDING ABILITY WHEN EMPTY. IN 1965 THE UAZ-451D WAS REPLACED BY THE UAZ-451DM. IT OFFERED A STRONGER CLUTCH AND HEAVIER SPRINGS.

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U N C L A S S I F I E D

FDM-2320-2-4-74-1-A
 NOMEN: TRUCK, CARGO, 1-TON 4X2 UAZ-451DM

CATALOG: TB-381-5-22
 (OLD 2-2320-4-74-11)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1968-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 1510
 -PAYLOAD OFF HWY ----- 2
 -PAYLOAD ON HWY ----- 1000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 2660
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 850
 -EMPTY REAR ----- 660
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 1120
 -LOADED REAR ON HWY - 1540
 PERSONNEL LOAD (NR) ----- 9 PLUS DRIVER
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 4460
 WIDTH O'ALL ----- 2044
 HEIGHT O'ALL ----- 2040
 CARGO SPACE-
 -LENGTH ----- 2600
 -WIDTH ----- 1870
 -HGT OF SIDES ----- 420
 TREAD, C TO C-
 -FRONT ----- 1442
 -REAR ----- 1442
 WHEELBASE ----- 2300
 GROUND CLEARANCE ----- 220
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCES:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 6000
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED-
 -ROAD (L/100KM) ----- 12
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 470
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 100
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 34 DEG
 ANGLE OF DEPARTURE (DEG) --- 33
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

ENGINE:

MODEL ----- ZMZ-451
 TYPE ----- 4 CYL, 4 CYCLE, IN-LINE
 MAX HP AT RPM ----- 70 AT 4000 KPM
 MAX TORQUE (KGM) ----- 17 AT 2000
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 92
 STROKE (MM) ----- 92
 DISPLACEMENT (LITERS) 2.445

FOM NR ----- 2305-2-1-8

GENERAL DATA:

TIRES-
 -SIZE ----- 8.40X15
 -PLY ----- 6
 -TYPE -----
 -LOADED RADIUS (MM) - 370
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 56
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC, ALL WHEELS
 -PARKING TYPE ----- MECH ACTUATOR ON TRANS
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLPTIC SPRINGS
 -REAR ----- SEMIELLPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) --- N/A

TANK BODY:

PUMP:

HOSES:

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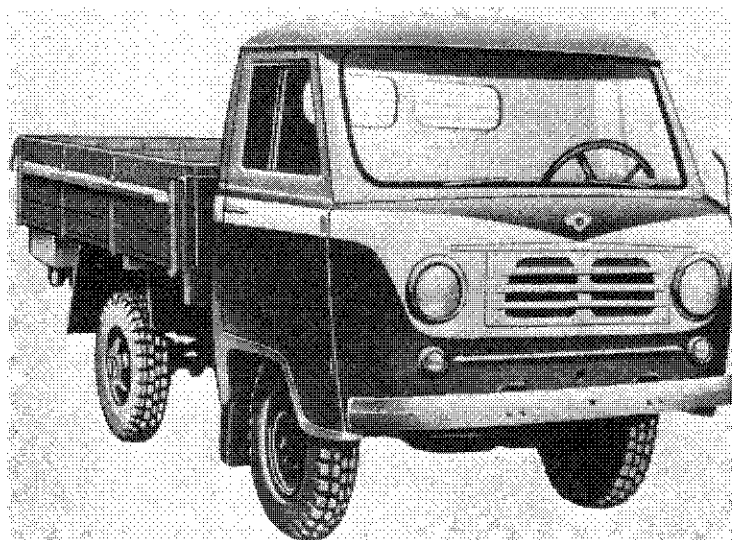
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U N C L A S S I F I E D

FDM-2320-Z-4-74-1-B
NOMEN: TRUCK, CARGO, 1-TON 4X2 VAZ-451DM

PRODUCED/ADOPTED: 1966-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-74-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-74-1-B
NOMEN: TRUCK, CARGO, 1-TON 4X2 VAZ-451DM
PRODUCED/ADOPTED: 1968-DATE/

CATALOG: T8-381-5-22
(OLD 2-2320-4-74-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-76-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 8-TON, 4X2 MAZ-500

(OLD 2-2320-4-76)

NATIVE DES: AVTOMOBILI MAZ-500

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1965-1970/

DATE UPDATED: 30AUG73

(U)THE MAZ-500 REPLACED THE MAZ-200 TRUCK IN 1965. EXTERNALLY DISTINGUISHED BY ITS CAB-OVER-ENGINE STYLING WITH A TIP-FORWARD CAB TO FACILITATE REPAIRS, IT FEATURES AN IMPROVED DIESEL ENGINE AND A GREATER LOAD-CARRYING CAPACITY. THE MAZ-500 IS BEING UTILIZED FOR LONG-DISTANCE HAULING BY THE MILITARY SERVICES.

(U)OTHER VERSIONS WILL BE THE TRUCK TRACTOR MAZ-504, DUMP TRUCKS MAZ-503 AND MAZ-510, AND THE 4 X 4 MAZ-505. ADDITIONAL MODELS ARE ALSO PLANNED. THE GRILLE OF THE PRODUCTION MODEL DIFFERS FROM THAT OF THE PROTOTYPE MODEL.

(U)THE MINSK AUTOMOBILE PLANT BEGAN PRODUCTION OF THE MAZ-500A CARGO TRUCK IN 1970 (FOM-2320-2-4-76-1) TO REPLACE THE TRUCK, CARGO, 8-TON, 4X2, MAZ-500.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-76-A
 NOMEN: TRUCK, CARGO, 8-TON, 4X2 MAZ-500

CATALOG: TB-381-5-22
 (OLD 2-2320-4-76)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1965-1970/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 6500
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 7500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 14225
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 3350
 -EMPTY REAR ----- 3150
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 4225
 -LOADED REAR ON HWY - 10000

PERSONNEL LOAD (NR) ---- *1

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 12000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7330
 WIDTH O/ALL ----- 2650
 HEIGHT O/ALL ----- 2640
 CARGO SPACE-

-LENGTH ----- 4860
 -WIDTH ----- 2352
 -HGT OF SIDES ----- 605

TREAD, C TO C-

-FRONT ----- 1950
 -REAR ----- 1900

WHEELBASE ----- 3860

GROUND CLEARANCE ----- 390

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 46%

TURNING RADIUS (MM) ----- 8500

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 22
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 800
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 75
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- 30 DEG

ANGLE OF DEPARTURE (DEG) --- 28

VERTICAL OBSTACLE (MM) ---- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- YAMZ-236
 TYPE ----- V-6, 4 CYCLE
 MAX HP AT RPM ----- 180 AT 2100
 MAX TORQUE (KG/M) ----- 68 AT 1500
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 130
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 11.15

FOM NR ----- 2815-2-1-4

GENERAL DATA:

TIRES-

-SIZE ----- 12.00X20
 -PLY ----- 14
 -TYPE ----- ?

-LOADED RADIUS (MM) - 512

-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 200
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- AIR

-PARKING TYPE ----- MECH ACTUATOR REAR AXLE

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPGS

-REAR ----- SEMIELLIPTIC SPGS

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A

-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24V

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

TANK BODY:

PUMP:

HOSES:

REMARKS:

1/ THREE IN CAB; 30 IN REAR (?).

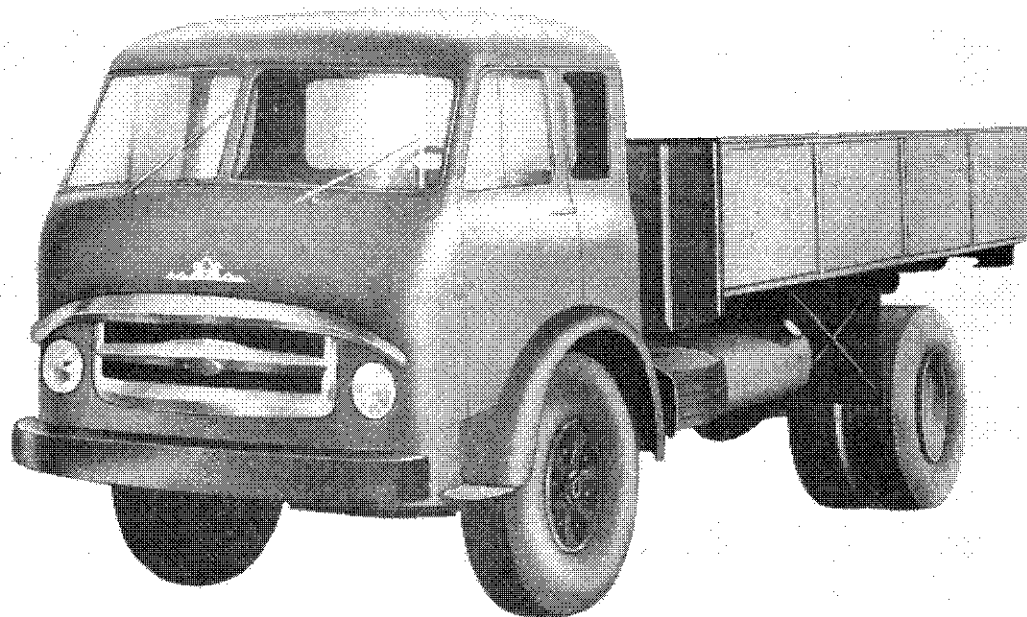
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U N C L A S S I F I E D

FON-2320-2-4-76-B
NOMEN: TRUCK, CARGO, 2-TON, 4X2 MAZ-500
PRODUCED/ADOPTED: 1965-1970/

CATALOG: TB-381-9-22
IDLD Z-2320-4-76J
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-76-B

NOMEN: TRUCK, CARGO, 8-TON, 4X2 MAZ-500

PRODUCED/ADOPTED: 1965-1970/

CATALOG: TB-381-5-22

ICLD 2-2320-4-761

COUNTRY: U.S.S.R.

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U N C L A S S I F I E D

FOM-2320-2-4-76-1-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK CARGO 8-TON 4 X 2 MAZ-500A

(OLD 2-2320-4-76-1)

NATIVE DES:

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1970 TO DATE

DATE UPDATED: 30AUG73

(U)THE MINSK AUTOMOBILE PLANT BEGAN PRODUCTION OF THE MAZ-500A CARGO TRUCK IN 1970 TO REPLACE THE 8-TON, 4 X 2, MAZ-500 CARGO TRUCK (FOM-2320-2-4-76), WHICH IN TURN REPLACED THE EARLIER 7-TON, 4 X 2 MAZ-200 CARGO TRUCK (FOM-2320-2-4-12). ITS EXTERNAL APPEARANCE HAS BEEN MODERNIZED. THE OPERATORS' WORKING CONDITIONS HAVE BEEN IMPROVED, AS HAS THE STEERING SYSTEM, CLUTCH, AND BRAKES. THE BODY CONSISTS OF A WOODEN DECK WITH STEEL, HINGED SIDES, AND TAILGATE THAT CAN BE LOWERED TO PROVIDE AN UNOBSTRUCTED PLATFORM. IT IS DESIGNED TO CARRY BULKY LOADS, EITHER LOOSE MATERIALS OR LARGE SIZED CARGOES, ON HARD SURFACED ROADS. FOLDING PERSONNEL BENCHES ARE NOT PROVIDED. THE METAL CAB, WHICH SEATS THREE, IS SET OVER THE ENGINE, AND PROVIDES SLEEPING SPACE FOR THE DRIVER ON LONG TRIPS. THE CAB CAN BE SWUNG FORWARD, ALLOWING ACCESS TO THE ENGINE WHEN MAINTENANCE OR REPAIRS ARE REQUIRED.

(U)THE MAZ-500A APPEARS TO BE VERY SIMILAR TO THE MAZ-500, WITH THE MAJOR EXTERNAL DIFFERENCE BEING A RE-STYLED RADIATOR GRILL.

(U)OTHER VERSIONS INCLUDE THE MAZ-503, 503B, AND 525 FOR CONSTRUCTION AND QUARRY WORK, THE MAZ-504 TRUCK TRACTOR WITH FIFTH WHEEL COUPLING, AND THE MAZ-504-5245 TRACTOR TRUCK SEMITRAILER COMBINATION.

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U N C L A S S I F I E D

FQM-2320-2-4-76-1-A
 NOMEN: TRUCK CARGO 8-TON 4 X 2 MAZ-500A

CATALOG: TB-381-5-22
 IOLD 2-2320-4-76-11
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1970 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 8650
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 9000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 15650
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 3458
 -EMPTY REAR ----- 3192
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 4539
 -LOADED REAR ON HWY -- 11,111
 PERSONNEL LOAD (NR) ----- 3 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 12,000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7140
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 2650
 CARGO SPACE-
 -LENGTH ----- 4810
 -WIDTH ----- 2340
 -HGT OF SIDES ----- 755
 TREAD, C TO C-
 -FRONT ----- 1950
 -REAR ----- 1860
 WHEELBASE ----- 3950
 GROUND CLEARANCE ----- 270
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 8500
 FORDING DEPTH (MM) ----- ?
 FUEL CONS., LOADED -
 -ROAD (L/100KM) ----- 22
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 902
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 85
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 30
 ANGLE OF DEPARTURE (DEG) --- 28
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ LONGITUDINAL, SEMIELLPTIC LEAF SPRINGS
 2/ LONGITUDINAL, SEMIELLPTIC LEAF SPRINGS
 W/OVERLOAD SPRINGS
 3/ 5/1 SYNCHRONIZERS IN 2D, 3D 4TH
 AND 5TH SPEEDS

ENGINE:

MODEL ----- YAMZ-236
 TYPE ----- ?
 MAX HP AT RPM ----- 200 AT 2100
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FQM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 200
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC ON ALL WHEELS
 -PARKING TYPE ----- MECHANICAL ON REAR WHEEL

SUSPENSION SYSTEM-

-FRONT ----- #1
 -REAR ----- #2

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - #3

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24 (2-12V BATTERIES)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

TANK BODY:

PUMP:

HOSES:

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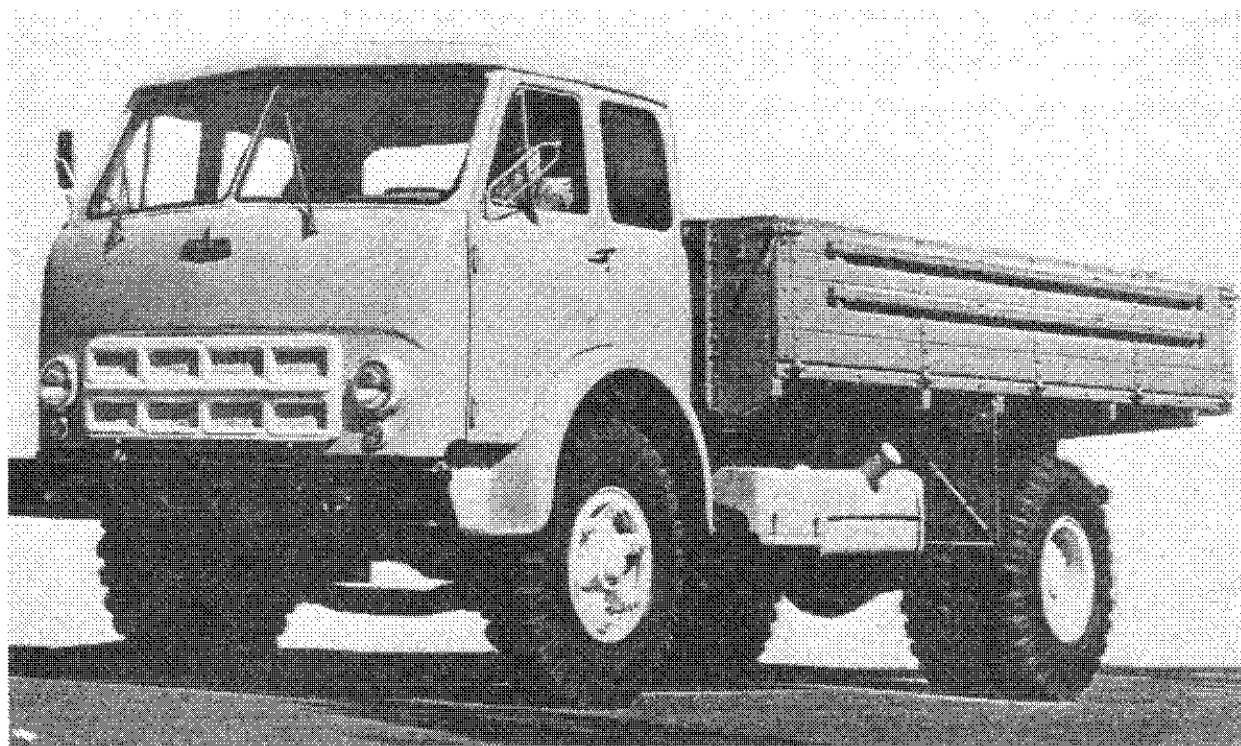
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FORM-2320-2-4-76-1-B
NOMEN: TRUCK CARGO 8-TON 4 X 2 MAZ-500A

PRODUCED/ADOPTED: 1970 TO DATE

CATALOG: TB-381-5-22
(OLD 2-2320-4-76-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

FOM-2320-2-4-76-1-8

NOMEN: TRUCK CARGO 8-TON 4 X 2 MAZ-500A

PRODUCED/ADOPTED: 1970 TO DATE

CATALOG: TB-381-5-22
(OLD 2-2320-4-76-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-78-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 3/4 TON, 4 X 4 UAZ-452D

(OLD 2-2320-4-781

NATIVE DES: AVTOMOBILI UAZ-452D
PRODUCED/ADOPTED: 1966-DATE/

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)PRODUCED BY THE U'LYANOVSKIY MOTOR VEHICLE PLANT, THE UAZ-452 SERIES REPLACED THE EARLIER UAZ-450 SERIES. IT DIFFERS FROM THE LATTER IN HAVING IMPROVED TRACTIVE AND DYNAMIC QUALITIES, AN IMPROVED ENGINE, TRANSMISSION AND OTHER COMPONENTS. THE VARIOUS MODELS THAT MAKE UP THIS SERIES ARE THE UAZ-452 PANEL TRUCK, THE UAZ-452A AMBULANCE, THE UAZ-452B LIGHT BUS, AND THE UAZ-452D LIGHT CARGO TRUCK- THE SUBJECT OF THIS FOMCAT.

(U)THE BODY OF THE UAZ-452D CONSISTS OF A WOODEN PLATFORM WITH THREE HINGED SIDEBORDS. THE TWO-PLACE CAB-OVER-ENGINE IS OF ALL METAL CONSTRUCTION. THIS ALL-WHEEL DRIVE CARGO TRUCK HAS BEEN ADOPTED BY THE SOVIET MILITARY FORCES TO SERVICE INSTALLATIONS LOCATED IN AREAS WITH POOR ROADS, SUCH AS FRONTIER REGIONS.

(U)THE UAZ-451 SERIES, PRODUCED BY THE PLANT SIMULTANEOUSLY WITH THE UAZ-452 FAMILY SHARE MANY BODY, FRAME, STEERING GEAR, ENGINE, CLUTCH, TRANSMISSION AND REAR AXLE PARTS.

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U N C L A S S I F I E D

FORM-2320-2-4-78-A
 NOMEN: TRUCK, CARGO, 3/4 TON, 4 X 4 UAZ-4520

CATALOG: TB-381-5-22
 (GLO 2-2320-4-78)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1966-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 1670
 -PAYLOAD OFF HWY ----- 800
 -PAYLOAD ON HWY ----- 800
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 2620
 -GROSS ON HWY ----- 2620
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 925
 -EMPTY REAR ----- 745
 -LOADED FRONT OFF HWY -- 1190
 -LOADED REAR OFF HWY -- 1430
 -LOADED FRONT ON HWY -- 1190
 -LOADED REAR ON HWY -- 1430

PERSONNEL LOAD (NK) ----- 2 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- 850
 -ON HWY ----- 850

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 4460
 WIDTH O'ALL ----- 2044
 HEIGHT O'ALL ----- 2020
 CARGO SPACE-
 -LENGTH ----- 2600
 -WIDTH ----- 1870
 -HGT OF SIDES ----- 420
 TREAD, C TO C-
 -FRONT ----- 1442
 -REAR ----- 1442
 WHEELBASE ----- 2300
 GROUND CLEARANCE ----- 220
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 58%
 TURNING RADIUS (MM) ----- 6800
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 13
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 430
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 95
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 34
 ANGLE OF DEPARTURE (DEG) --- 33
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ TWO LONGITUDINAL, SEMI-ELLIPTICAL
 SPRINGS AND KNEE-ACTION SHOCK ABSORBERS.

ENGINE:

MODEL ----- ZMZ-451
 TYPE ----- 4 CYLINDER, IN-LINE, OHV
 MAX HP AT RPM ----- 70 @ 4000
 MAX TORQUE (KGM) ----- 17 @ 2000
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 92
 STROKE (MM) ----- 92
 DISPLACEMENT (LITERS) 2.445

FORM NR ----- FORM-2803-2-1-15

GENERAL DATA:

TIRES-

-SIZE ----- 8.40 X 15
 -PLY ----- 6
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 370
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 56
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC, ALL WHEELS
 -PARKING TYPE ----- MECHANICAL ON TRANS

SUSPENSION SYSTEM-

-FRONT ----- *1
 -REAR ----- *1

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12 (1-6-ST-54 BTRY)

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2320-2-4-78-B

NOMEN: TRUCK, CARGO, 3/4 TON, 4 X 4 UAZ-452D

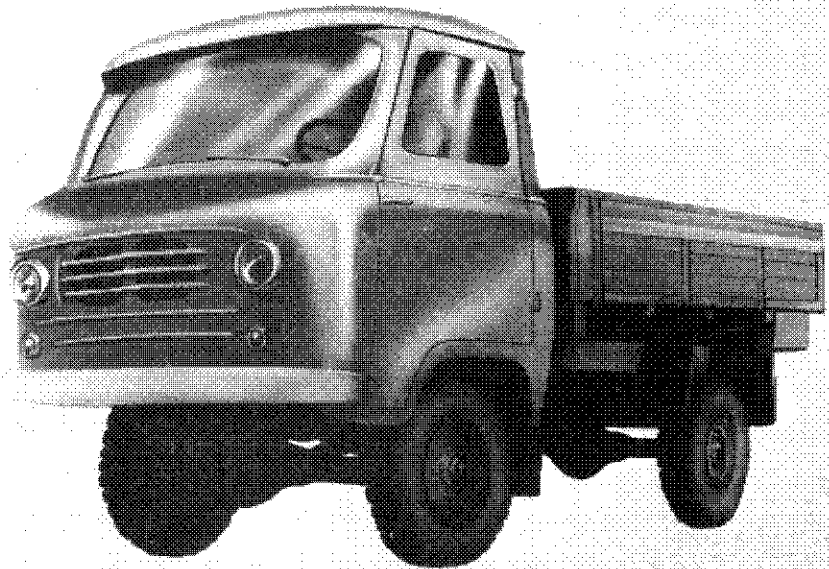
PRODUCED/ADOPTED: 1966-DATE/

CATALOG: TB-381-S-22

(OLD 2-2320-4-78)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-78-8

NOMEN: TRUCK, CARGO, 3/4 TON, 4 X 4 UAZ-452D

PRODUCED/ADOPTED: 1966-DATE/

CATALOG: TB-381-5-22

(OLD 2-2320-4-78)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-79-A

CATALOG: TB-381-S-22

NOMEN: TRUCK, CARGO, 4-TON, 4X2 GAZ-53F

(OLD 2-2320-4-79)

NATIVE DES: AVTOMOBILI GAZ-53F

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1962-1965?

DATE UPDATED: 30AUG73

(U)THE GAZ-53F IS AN INTERIM MODEL THAT REPLACED THE GAZ-51. WEIGHING APPROXIMATELY THE SAME AS THE GAZ-51, IT CARRIES 1 TON MORE. THE TRUCK'S 82*HORSEPOWER, 6-CYLINDER, IN-LINE-TORCH-IGNITION ENGINE REQUIRES GASOLINE WITH AN OCTANE RATING OF NOT LESS THAN 72. THE ASSEMBLIES OF THE GAZ-53F ARE UNIFIED WITH THE ASSEMBLIES OF THE GAZ-51 AND THE GAZ-63A.

(U)THE GOR'KIY MOTOR VEHICLE PLANT BEGAN PRODUCTION OF THE GAZ-53F IN THE FIRST QUARTER OF 1962, AND PRODUCTION IS BELIEVED TO HAVE STOPPED ABOUT 1965.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-79-A
 NGMEN: TRUCK, CARGO, 4-TON, 4X2 GAZ-53F

CATALOG: TB-381-5-22
 (OLD 2-2320-4-79)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1962-196577

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 2950
 -PAYLOAD OFF HWY ----- 2850
 -PAYLOAD ON HWY ----- 3500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 5950
 -GROSS ON HWY ----- 6600
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY --- ?
 PERSONNEL LOAD (NR) ----- 2 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6370
 WIDTH O'ALL ----- 2380
 HEIGHT O'ALL ----- 2200
 CARGO SPACE-
 -LENGTH ----- 3750
 -WIDTH ----- 2195
 -HGT OF SIDES ----- 670
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 3700
 GROUND CLEARANCE ----- 270
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 27%
 TURNING RADIUS (MM) ----- 8900
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 20
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 455
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 75
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- GAZ-51F (TORCH IGNITION)
 TYPE ----- 6 CYLINDER IN-LINE OHV
 MAX HP AT RPM ----- 80 AT 3000
 MAX TORQUE (KGM) ----- 21.5 AT ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 82
 STROKE (MM) ----- 110
 DISPLACEMENT (LITERS) 3.48

FDM NR ----- 2805-2-1-10

GENERAL DATA:

TIRES-
 -SIZE ----- 8.25 X 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 460
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 91
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPGS
 -REAR ----- *1
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ SEMIELLIPTIC SPRINGS WITH HELPERS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-79-8

NOMEN: TRUCK, CARGO, 4-TON, 4X2 GAZ-53F

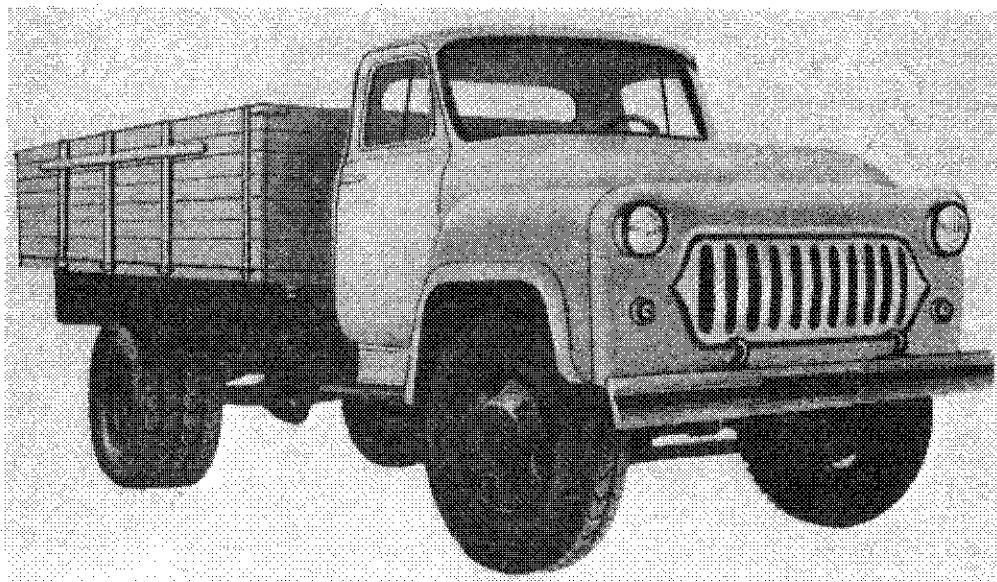
PRODUCED/ADOPTED: 1962-196577

CATALOG: TB-381-5-22

(OLD 2-2320-4-79)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-79-8

NOMEN: TRUCK, CARGO, 4-TON, 4X2 GAZ-53F

PRODUCED/ADOPTED: 1962-1965?/

CATALOG: TB-381-5-22

(OLD 2-2320-4-79)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-80-A

CATALOG: TB-381-5-22

NOMEN: TRUCK CARGO 4 1/2 TON 4X4 MAZ 505

(OLD 2-2320-4-80)

NATIVE DES: AVTOMOBILI MAZ-505

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: PROTOTYPE/

DATE UPDATED: 01AUG73

(U)THE MAZ-505 IS THE 4 X 4 VERSION OF THE MAZ-500 TRUCK. THE CAB, WHICH CAN ACCOMMODATE TWO PASSENGERS IN ADDITION TO THE DRIVER, HAS GOOD VISIBILITY, IS EQUIPPED WITH A HEATER AND IS WELL VENTILATED. THE TRUCK HAS POWER STEERING AND A 160-HORSEPOWER DIESEL ENGINE. THE MAZ-505 WILL REPLACE THE MAZ-502 CURRENTLY USED BY THE SOVIET FORCES. A TRUCK TRACTOR VERSION, THE MAZ-508V, IS ALSO BEING TESTED AND WILL ULTIMATELY REPLACE THE MAZ-502V TRUCK TRACTOR.

(U)WHILE THE MAZ-500 IS IN PRODUCTION, THERE IS NO EVIDENCE THAT THE MAZ-505 IS BEING PRODUCED.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-80-A
 NOMEN: TRUCK CARGO 4 1/2 TON 4X4 MAZ 505

CATALOG: TB-381-5-22
 (OLD 2-2320-4-80)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 01AUG73

PRODUCED/ADOPTED: PROTOTYPE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- ?
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY --- ?

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- ?
 WIDTH O'ALL ----- ?
 HEIGHT O'ALL ----- ?
 CARGO SPACE-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- ?
 GROUND CLEARANCE ----- ?
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- ?
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 70
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- YAMZ-236
 TYPE ----- V-6, 4-CYCLE
 MAX HP AT RPM ----- 180 AT 2100
 MAX TORQUE (KGM) ----- 67 AT 1300-1400
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 130
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 11.15

FOM NR ----- 2815-2-1-4

GENERAL DATA:

TIRES-

-SIZE ----- ?
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- ?
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- ?
 -REAR ----- ?

TRANSMISSION-

-TYPE ----- ?
 -NR SPEEDS FWD/RVSE - ?

TRANSFER, NR SPEEDS --- ?

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- ?

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

TANK BODY:

PUMP:

HOSES:

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-2-4-80-8

NOMEN: TRUCK CARGO 4 1/2 TON 4x4 MAZ 505

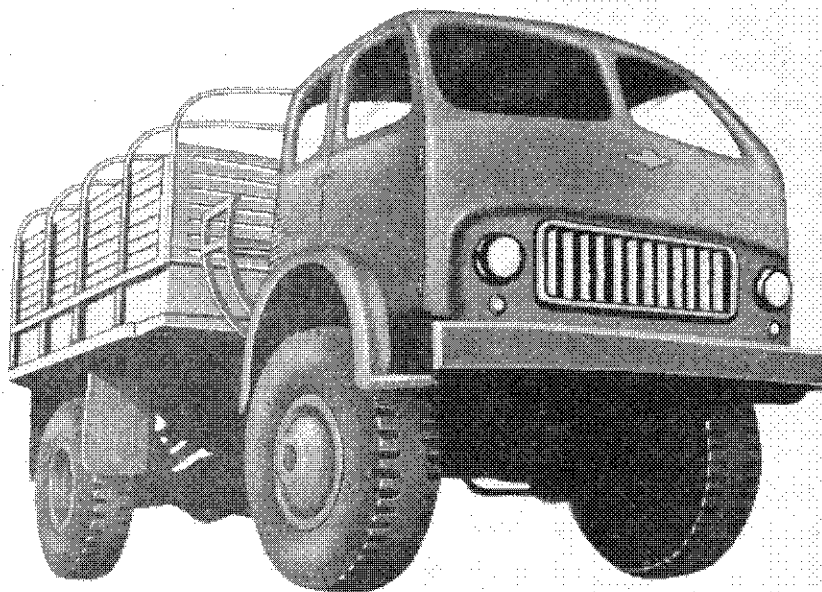
PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22

(OLD 2-2320-4-80)

COUNTRY: U.S.S.R.

DATE UPDATED: 01AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-80-B

NOMEN: TRUCK CARGO 4 1/2 TON 4X4 MAZ 505

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-80)
COUNTRY: U.S.S.R.
DATE UPDATED: 01AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-81-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, UTILITY 1/2 TON 4X4 ZAZ-971

(OLD 2-2320-4-81)

NATIVE DES: AVTOMOBILI ZAZ-971

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: PROTOTYPE/

DATE UPDATED: 10AUG73

(U)THE ZAZ-971 STATION-WAGON TYPE OF VEHICLE, STILL IN PROTOTYPE, WILL INTRODUCE A NEW TYPE OF TRUCK TO THE SOVIET FORCES. IT MOST CLOSELY RESEMBLES THE STEYR-PUCH "HAFLINGER" OF AUSTRIA AND IS SIMILAR IN FUNCTION TO THE US ARMY "MULE". AFTER COMPLETING TESTING AND THE SOVIET ARMED FORCES A LIGHT VEHICLE THAT MAY BE USEFUL IN MOUNTAINOUS TERRAIN AND IN AIRBORNE OPERATIONS.

(U)THE ZAZ-971 HAS BEEN DEVELOPED FROM THE ZAZ-965 AND THE ZAZ-966 "PEOPLES' CAR." THE ZAZ-970G LIGHT CIVILIAN TRUCK AND THE ZAZ-970B DELIVERY VAN, ALSO IN THE PROTOTYPE STAGE, ARE BASED ON THE CHASSIS OF THE ZAZ-965.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-81-A
 NOMEN: TRUCK, UTILITY 1/2 TON 4X4 ZAZ-971

CATALOG: TB-381-5-22
 (OLD 2-2320-4-81)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 10AUG73

PRODUCED/ADOPTED: PROTOTYPE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 750
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 400 PLUS 4 PERSONS
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 1450
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY --- ?
 PERSONNEL LOAD (NR) ----- 4
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 3380
 WIDTH O'ALL ----- 1430
 HEIGHT O'ALL ----- 1650
 CARGO SPACE-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?
 TREAD, C TO C-
 -FRONT ----- 1144
 -REAR ----- 1160
 WHEELBASE ----- 2360
 GROUND CLEARANCE ----- 200
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- ?
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 11
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 330
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 70
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- MEMZ-966
 TYPE ----- V-4, 4 CYCLE, OHV
 MAX HP AT RPM ----- 27 AT 4000
 MAX TORQUE (KGM) ----- 5.3 AT 2400-2600
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 72
 STROKE (MM) ----- 54.5
 DISPLACEMENT (LITERS) 0.887

FORM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 5:20X13
 -PLY ----- 4
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 283
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 30
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHACTUATOR, REAR
 SUSPENSION SYSTEM-
 -FRONT ----- INDEPENDENT TORSIONAL
 -REAR ----- INDEPENDENT SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

TANK BODY:

PUMP:

HOSES:

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-81-B

NOMEN: TRUCK, UTILITY 1/2 TON 4X4 ZAZ-971

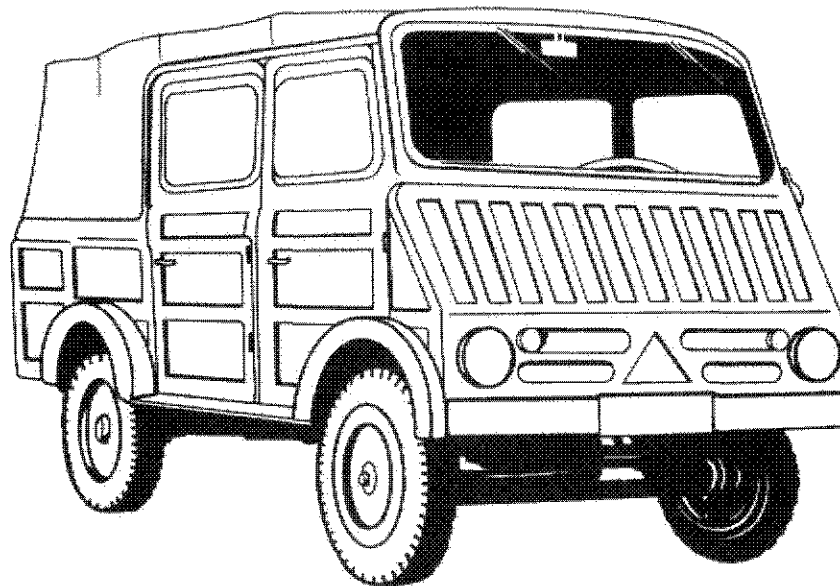
PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: T8-381-5-22

(OLD 2-2320-4-81)

COUNTRY: U.S.S.R.

DATE UPDATED: 10AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-81-B

NOMEN: TRUCK, UTILITY 1/2 TON 4X4 ZAZ-971

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-S-22
(OLD 2-2320-4-81)
COUNTRY: U.S.S.R.
DATE UPDATED: 10AUG73

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U N C L A S S I F I E D

FDM-2320-2-4-82-A

U N C L A S S I F I E D

CATALOG: T8-381-5-22

NOMEN: TRUCK, CARGO, 10, TON, 8X8, ZIL-135

(OLD 2-2320-4-82)

NATIVE DES: AVTOMOBILI ZIL-135

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: ??

DATE UPDATED: 30AUG73

(U)BUILT AND TESTED BY THE LIKHACHEV AUTOMOTIVE PLANT IN MOSCOW, THE ZIL-135 IS ONE OF A UNIQUELY DESIGNED FAMILY OF VEHICLES DEVELOPED FOR HEAVY-DUTY, CROSS-COUNTRY SERVICE UNDER ADVERSE CONDITIONS. THESE TRUCKS ARE POWERED BY DUAL V-8 GASOLINE ENGINES THAT DEVELOP A TOTAL OF 360 HORSEPOWER. ONE ENGINE PROVIDES POWER FOR THE FOUR WHEELS ON ONE SIDE OF THE VEHICLE; THE OTHER ENGINE PROVIDES POWER FOR THE WHEELS ON THE OPPOSITE SIDE. IF ONE ENGINE FAILS, THE VEHICLE CAN STILL BE MOVED BY THE REMAINING ENGINE, BUT NO POWER CAN BE TRANSFERRED TO THE WHEELS ON THE OTHER SIDE. IN SOME VERSIONS, THE ENGINES ARE MOUNTED, AT LEAST PARTLY, BELOW THE CAB FLOOR. SOME SOVIET TECHNICAL LITERATURE REFERS TO THE DRIVE SYSTEM AS "HYDROMECHANICAL" WITHOUT FURTHER DESCRIPTION OTHER THAN THE NOTE THAT NO DIFFERENTIALS OR AXLES ARE USED. FRONT AND REAR WHEELS CAN BE STEERED AND HAVE TORSION-BAR SUSPENSION. CENTER TANDEM WHEELS ARE RIGIDLY FIXED TO THE VEHICLE FRAME AND HAVE NO SUSPENSION SYSTEM.

(U)THE SOVIETS CLAIM THAT THESE VEHICLES HAVE A HIGH CROSS-COUNTRY CAPABILITY AND CAN MOVE THROUGH DEEP SNOW THAT WOULD STOP A CONVENTIONAL MILITARY CROSS-COUNTRY TRUCK. DESPITE THESE CLAIMS, THE CENTER WHEEL ARRANGEMENT PROBABLY WOULD IMPEDE OPERATION IN ROUGH TERRAIN, SINCE THE CENTER SECTION OF THE VEHICLE COULD HANG ON THE CREST OF A RISE, OR LOSE CONTACT WHEN CROSSING A DEPRESSION IN THE GROUND. THE ZIL-135, HOWEVER, SHOULD PERFORM VERY WELL IN MUD AND SNOW WHERE THE TERRAIN IS REASONABLY LEVEL, AS IT IS OVER MUCH OF THE SOVIET PLAINS. THE CHIEF ADVANTAGE OF THIS VEHICLE APPEARS TO BE ITS ABILITY TO CARRY ELONGATED LOADS WITHIN ITS 10-TON LOAD CAPACITY.

(U)THE ZIL-135 HAS BEEN OBSERVED MOSTLY IN THE ENGINE-BEHIND-CAB VERSION, MOUNTING THE FROG-7. THE SHADDOCK TRANSPORTER IS POSSIBLY A VARIANT, UTILIZING A CAB-OVER-ENGINE DESIGN AND A SOMEWHAT LONGER CHASSIS. THE FROG-7 AND THE SHADDOCK ARE BOTH TACTICAL-TYPE WEAPONS WITH A REQUIREMENT FOR RAPID DISPLACEMENT AFTER FIRING.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-82-A

NOMEN: TRUCK, CARGO, 10, TON, 8X8, ZIL-135

PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22
 (OLD 2-2320-4-82)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 9,980
 -PAYLOAD OFF HWY ----- 9980
 -PAYLOAD ON HWY ----- 9980
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 19,960
 -GROSS ON HWY ----- 19,960
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 3 IN CAB; 16 REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- 18,100
 -ON HWY ----- 18,100

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 9260
 WIDTH O/ALL ----- 2800
 HEIGHT O/ALL ----- 2530

CARGO SPACE-

-LENGTH ----- 4570 ?
 -WIDTH ----- 2650 ?
 -HGT OF SIDES ----- 1220 ?

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- #1

GROUND CLEARANCE ----- 580

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 57%
 TURNING RADIUS (MM) ----- 12,500
 FORDING DEPTH (MM) ----- 580 ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 64
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- ZIL-375 2 ENGINES
 TYPE ----- V-8 OHV
 MAX HP AT RPM ----- 180 AT 3200 EA
 MAX TORQUE (KGM) ----- 47.5 AT 1800
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 108
 STROKE (MM) ----- 95
 DISPLACEMENT (LITERS) 7.0

FOM NR ----- FOM-2805-2-1-13

GENERAL DATA:

TIRES-

-SIZE ----- 16.00X20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- CAB CONTROLLED

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- #2
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- INDEPENDENT TORSION BAR
 -REAR ----- INDEPENDENT TORSION BAR

TRANSMISSION-

-TYPE ----- #3
 -NR SPEEDS FWD/RVSE - ?

TRANSFER, NR SPEEDS --- ?

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24 (2 12V BATTERIES)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ 6300 MM (DISTANCE BETWEEN FRONT
 AND REAR EXTREME AXLES)
 2/ INTERNAL EXPANDING, AIR-ASSISTED,
 HYDRAULIC
 3/ HYDROMECHANICAL W/INTEGRAL TRANSFER ?
 CASE.

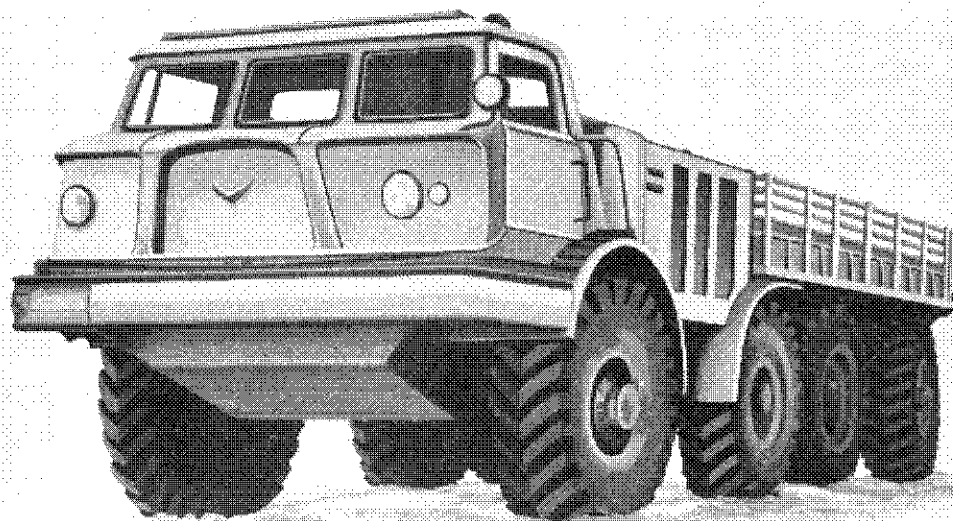
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-82-8
NOMEN: TRUCK, CARGO, 10, TON, 8X8, ZIL-135
PRODUCED/ADOPTED: 77

CATALOG: TB-381-5-22
IOLD 2-2320-4-821
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-82-B

NOMEN: TRUCK, CARGO, 10, TON, 8x8, ZIL-135

PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22

(OLD 2-2320-4-82)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-83-A

CATALOG: T8-381-5-22

NOMEN: PRIME MOVER, 8X8 MAZ-535A

(OLD 2-2320-4-83)

NATIVE DES: AVTOMOBILI MAZ-535A

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1961 ?-DATE/

DATE UPDATED: 07AUG73

(U)THE MAZ-535A PRIME MOVER IS ONE OF A SERIES OF HEAVY-DUTY 8 X 8 VEHICLES SIMILAR IN CONSTRUCTION BUT SOMEWHAT SMALLER AND WITH LESS POWER THAN THE MAZ-537A, WHICH IS THE PRIME MOVER VERSION OF THE MAZ-537 TRUCK-TRACTOR (FOM-2320-2-5-14). IT IS DESIGNED TO TOW HEAVY ARTILLERY, MISSILE SYSTEMS, AND FULL TRAILERS WITH A GROSS WEIGHT OF UP TO 50 METRIC TONS.

(U)THE MAZ-535A IS PROBABLY HANDCRAFTED AT THE MAZ PLANT IN MINSK. ITS DIESEL ENGINE IS A 375-HORSEPOWER VERSION OF THE 12-CYLINDER, 90 DEG V-SERIES USED IN MEDIUM AND HEAVY SOVIET TANKS. THE VEHICLE HAS SEVEN DIFFERENTIALS (INCLUDING THREE INTER-AXLE), HAS POWER STEERING, AND HAS A CAB-CONTROLLED TIRE-INFLATION SYSTEM. BECAUSE OF THE TIRE-INFLATION SYSTEM, LARGE TIRES, AND POWERFUL ENGINE, THE VEHICLE IS ESTIMATED TO HAVE SUPERIOR CROSS-COUNTRY PERFORMANCE.

(U)UNLIKE THE MAZ-537, WHICH HAS BEEN REPORTED IN SERVICE WITH CONSIDERABLE FREQUENCY, THE MAZ-535A HAS BEEN SEEN CHIEFLY IN MOSCOW PARADES WHERE IT HAS BEEN USED TO TOW THE HEAVY MISSILES SHYSTER, SANDAL, SKEAN, AND SKRAG ON TRANSPORT TRAILERS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-83-A
 NOMEN: PRIME MOVER, 8X8 MAZ-535A

CATALOG: TB-381-5-22
 GOLF 2-2320-4-831
 COUNTRY: U.S.S.R.
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1961 ?-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 18,750
 -PAYLOAD OFF HWY ----- 7,000
 -PAYLOAD ON HWY ----- 7,000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 25,975
 -GROSS ON HWY ----- 25,975
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 6460 (EA)
 -EMPTY REAR ----- 2915 (EA)
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY -- ?

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- 24,900
 -ON HWY ----- 49,900

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8760
 WIDTH O'ALL ----- 2805
 HEIGHT O'ALL ----- 2915
 CARGO SPACE-
 -LENGTH ----- 4500
 -WIDTH ----- 2595
 -HGT OF SIDES ----- 980
 TREAD, C TO C-
 -FRONT ----- 2150
 -REAR ----- 2150
 WHEELBASE ----- 5750 EXTREME AXLES
 GROUND CLEARANCE ----- 475
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 30
 TURNING RADIUS (MM) ----- 13400
 FOLDING DEPTH (MM) ----- 1300
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 75
 -WATER (L/HK) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 935
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 60
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 38
 ANGLE OF DEPARTURE (DEG) --- 60
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- U-12-A-375
 TYPE ----- V-12 DOHL 4 CYCLE
 MAX HP AT RPM ----- 375 AT 1650
 MAX TORQUE (KGM) ----- 170 AT 1100
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 150
 STROKE (MM) ----- 180
 DISPLACEMENT (LITERS) 38.88

FORM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 18:00 X 24
 -PLY ----- 12
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- CAB CONTROLLED

FUEL CAP (LITERS)-

-MAIN TANK ----- 350
 -AUX TANK ----- 350

BRAKES-

-PRIMARY TYPE ----- HYDRO-PNEUMATIC SGL/LINE
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- *1
 -REAR ----- *1

TRANSMISSION-

-TYPE ----- HYDROMECHANICAL
 -NR SPEEDS FWD/RVSE - 3/1

TRANSFER, NR SPEEDS --- 3

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24V (4X6) V BATTERIES

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ INDEPENDENT TORSION BARS ON
 ALL 8 WHEELS

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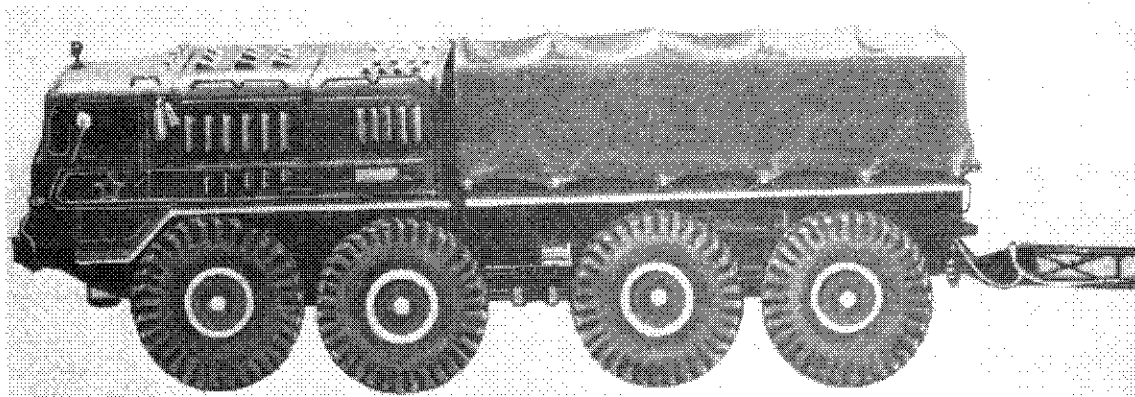
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U N C L A S S I F I E D

FGM-2320-2-4-83-B
NOMEN: PRIME MOVER, 6X6 MAZ-535A

PRODUCED/ADOPTED: 1961 ?-DATE/

CATALOG: TB-381-5-22
(OLD Z-2320-4-83)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-83-B
NOMEN: PRIME MOVER, 8X8 MAZ-535A

PRODUCED/ADOPTED: 1961 7-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-83)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-84-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 17 TON, 8X8 MAZ-543

(OLD 2-2320-4-84)

NATIVE DES: AVTOMOBILI MAZ-543

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1965-DATE/

DATE UPDATED: 30AUG73

(U)THE MAZ-543 CARGO TRUCK IS A SPECIALIZED 8 X 8 CROSS-COUNTRY VEHICLE, PRODUCED BY THE MINSK MOTOR VEHICLE PLANT. IT WAS FIRST SEEN IN THE 7 NOVEMBER 1965 PARADE IN MOSCOW AND IS EASILY IDENTIFIED BY ITS ELONGATED CHASSIS AND SPLIT CAB. THE VEHICLE HAS POWER STEERING, HYDRAULIC TRANSMISSION, CAB-CONTROLLED TIRE-INFLATION SYSTEM, AND IS POWERED BY A MODEL V-54, V-12 DIESEL TANK ENGINE (FOM-2815-2-1-13). THE VEHICLE IS STEERED BY THE TWO FORWARD AXLES AND IS CREDITED WITH GOOD PERFORMANCE IN CROSS-COUNTRY AND OVER-SNOW OPERATIONS.

(U)THE MAZ-543 HAS BEEN UTILIZED AS THE TRANSPORTER-ERECTOR-LAUNCHER FOR THE SCOD B AND SCALEBOARD MISSILES. A COMPARTMENT FOR HOUSING MISSILE CONTROL EQUIPMENT AND CREW IS FITTED IN THE VEHICLE CENTER WHEN MOUNTING THESE MISSILE SYSTEMS. A CARGO- OR BALLAST-TRUCK VERSION, PROBABLY EXPERIMENTAL, WAS FIRST OBSERVED IN 1967.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-84-A
NOMEN: TRUCK, CARGO, 17 TON, 8X8 MAZ-543

CATALOG: TB-381-5-22
(OLD 2-2320-4-84)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1965-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 17,500
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 17,000
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 34,500
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 6038
-EMPTY REAR ----- 2710
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY - ?
-LOADED REAR ON HWY - ?
PERSONNEL LOAD (NR) ----- 4 IN CAB ?
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- ?
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 11,700
WIDTH O/ALL ----- 3020
HEIGHT O/ALL ----- 2850
CARGO SPACE-
-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A
TREAD, C TO C-
-FRONT ----- 2380
-REAR ----- 2380
WHEELBASE ----- 7720 (EXTREME AXLES)
GROUND CLEARANCE ----- 450
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL - N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 57.7%
TURNING RADIUS (MM) ----- 13,400
FORDING DEPTH (MM) ----- 1,000
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 112
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 507
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 70
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- ?
ANGLE OF DEPARTURE (DEG) ---- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- V-54
TYPE ----- ?
MAX HP AT RPM ----- 520 AT 2000
MAX TORQUE (KGM) ----- ?
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- ?
STROKE (MM) ----- ?
DISPLACEMENT (LITERS) ?
FOM NR ----- #1

GENERAL DATA:

TIRES-
-SIZE ----- 15.00 X 23.5
-PLY ----- ?
-TYPE ----- ?
-LOADED RADIUS (MM) - ?
-INFLATION SYSTEM --- CAB CONTROLLED
FUEL CAP (LITERS)-
-MAIN TANK ----- 283
-AUX TANK ----- 283
BRAKES-
-PRIMARY TYPE ----- HYDROPNEUMATIC-ONE LINE
-PARKING TYPE ----- MECHANICAL
SUSPENSION SYSTEM-
-FRONT ----- INDEP TORSION BAR
-REAR ----- ROCKER ARM, NO SPRINGS
TRANSMISSION-
-TYPE ----- #2
-NR SPEEDS FWD/RVSE - 3/1
TRANSFER, NR SPEEDS ---
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 24V (4 X 6V BATTERIES)
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

UNAVAILABLE AT THE TIME CHANGE 17 WAS
PREPARED, THE ENGINE NR WILL BE FOM-
2-2815-1-13 WHEN ISSUED
2/ TORQUE CONVERTER W/INTERNAL TRANSFER ASSY

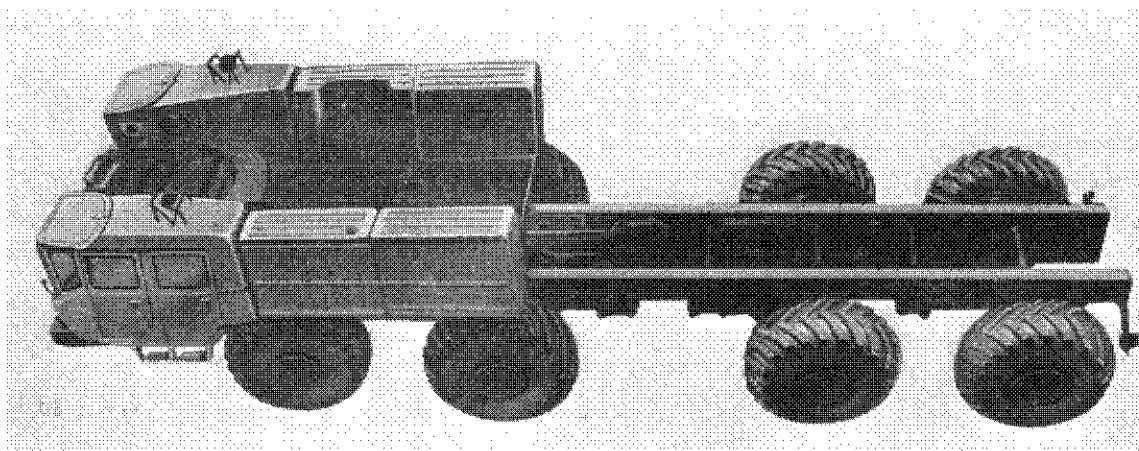
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-84-B
NOMEN: TRUCK, CARGO, 17 TON, 8X8 MAZ-543
PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-5-22
TOLD 2-2320-4-84)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-84-8

NOMEN: TRUCK, CARGO, 17 TON, 8X8 MAZ-543.

PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-5-22
(OLD Z-2320-4-84)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FOM-2320-2-4-85-A

U N C L A S S I F I E D

CATALUG: TB-381-5-22

NOMEN: TRUCK CARGO 5 TON 6X6 ZIL-E-167

(OLD 2-2320-4-85)

NATIVE DES: AVTOMOBILI ZIL-E-167

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 7 /

DATE UPDATED: 23JUL73

(U)BASED ON THE DESIGN OF THE ZIL-135 (FOM-2320-2-4-82), THE 3-AXLE ZIL-E-167 TRUCK WAS DEVELOPED FOR MOVEMENT OVER NORMALLY IMPASSABLE ROADS, CROSS COUNTRY, THROUGH DEEP SNOW AND SWAMPY AREAS, OR OVER SAND DUNES. THOUGH PRESENT CARGO CAPACITY OF THE TRUCK IS 5 TONS, AN INCREASE TO 7 TONS IS PLANNED. BUILT AND TESTED BY THE LIKHACHEV AUTOMOTIVE WORKS IN MOSCOW, THE ZIL-E-167 WAS FIRST SIGHTED IN MOSCOW IN NOVEMBER 1963 AND FIRST REPORTED IN SOVIET LITERATURE IN MARCH 1964.

(U)DIRECTLY BEHIND THE 3-MAN CAB IS AN ENGINE COMPARTMENT HOUSING TWO ZIL-375, V-8 GASOLINE ENGINES THAT DEVELOP A TOTAL OF 360 HORSEPOWER. ONE ENGINE DRIVES THE WHEELS ON ONE SIDE OF THE VEHICLE; THE OTHER ENGINE PROVIDES POWER FOR THE WHEELS ON THE OPPOSITE SIDE. IF ONE ENGINE FAILS, THE TRUCK CAN PROCEED AT REDUCED SPEED ON THE REMAINING ENGINE. THE USE OF SEPARATE SOURCES OF POWER FOR EACH SIDE OF THE TRUCK OBTVIATES THE NEED FOR INTERWHEEL DIFFERENTIALS. TWO HYDROMECHANICAL TRANSMISSIONS WITH INTEGRAL TRANSFER CASES PROVIDE A SELECTION OF GEAR RATIOS.

(U)ON ROADS COVERED WITH SNOW, TO A MAXIMUM DEPTH OF APPROXIMATELY 1016 MM, THE ZIL-E-167 CAN DEVELOP SPEEDS UP TO 29.8 KM PER HOUR. NEW SYNTHETIC MATERIALS ARE USED IN VARIOUS PARTS OF THE VEHICLE, INCLUDING THE CAB, WHICH IS MADE OF REINFORCED FIBER GLASS.

(U)THE FRONT AND REAR WHEELS OF THE TRUCK CAN BE STEERED AND ARE CONNECTED TO THE FRAME BY AN INDEPENDENT TORSIONAL SUSPENSION WHICH IS FITTED WITH HEAVY-DUTY, DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS. THE TWO MIDDLE WHEELS ARE RIGIDLY MOUNTED. TWO HYDRAULIC SERVOMECHANISMS BUILT INTO THE STEERING LINKAGE ASSIST IN STEERING THE VEHICLE. THIS ARRANGEMENT OF THE CHASSIS AND STEERING ASSEMBLY ENABLES THE ZIL-E-167 TO PERFORM ADEQUATELY WHEN MOVING OVER DIFFICULT TERRAIN, AND GIVES THE TRUCK A HIGH DEGREE OF MANEUVERABILITY.

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U N C L A S S I F I E D

FGM-2320-2-4-85-A
NOMEN: TRUCK CARGO 5 TON 6X6 ZIL-E-167

CATALOG: TB-381-5-22
(OLD 2-2320-4-85)
COUNTRY: U.S.S.R.
DATE UPDATED: 23JUL73

PRODUCED/ADOPTED: ? /

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 8,800
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 4,990
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 11,800
-GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
-EMPTY REAR ----- ?
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY - ?
-LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
-ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- ?

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 9270
WIDTH O'ALL ----- 3140
HEIGHT O'ALL ----- 3050

CARGO SPACE-

-LENGTH ----- ?
-WIDTH ----- ?
-HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- ?
-REAR ----- ?

WHEELBASE ----- *1

GROUND CLEARANCE ----- 850

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 57X
TURNING RADIUS (MM) ----- 11900
FORGING DEPTH (MM) ----- 850

FUEL CONS. LOADED -

-ROAD (L/100KM) ----- ?
-WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
-WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- ?
-WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

REMARKS:

1/ 6300 MM DISTANCE BETWEEN FRONT
AND REAR AXLES
2/ INTERNAL EXPANDING HYDRAULIC AIR
ASSISTED
3/ HYDROMECHANICAL W/INTREGAL TRANSFER
CASE

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U N C L A S S I F I E D

ENGINE:

MODEL ----- ZIL-375 (2 ENGINES)
TYPE ----- V-8, 4 CYCLE, DV
MAX HP AT RPM ----- 180 AT 3200 (EA)
MAX TORQUE (KGM) ----- 47.5 AT 1800
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 108
STROKE (MM) ----- 95
DISPLACEMENT (LITERS) 7.0
Z-2805-1-13
FGM NR -----

GENERAL DATA:

TIRES-

-SIZE ----- 21:00 X 28
-PLY ----- ?
-TYPE ----- ?
-LOADED RADIUS (MM) - ?
-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
-AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- *2
-PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- INDEPENDENT TORSION BARS
-REAR ----- INDEPENDENT TORSION BAR

TRANSMISSION-

-TYPE ----- *3
-NR SPEEDS FWD/RVSE - ?

TRANSFER, NR SPEEDS --- ?

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
-AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24V (2-12V BATTERIES)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) --- ?

U N C L A S S I F I E D

FOM-2320-2-4-65-8

NOMEN: TRUCK CARGO 5 TON 6X6 ZIL-E-167

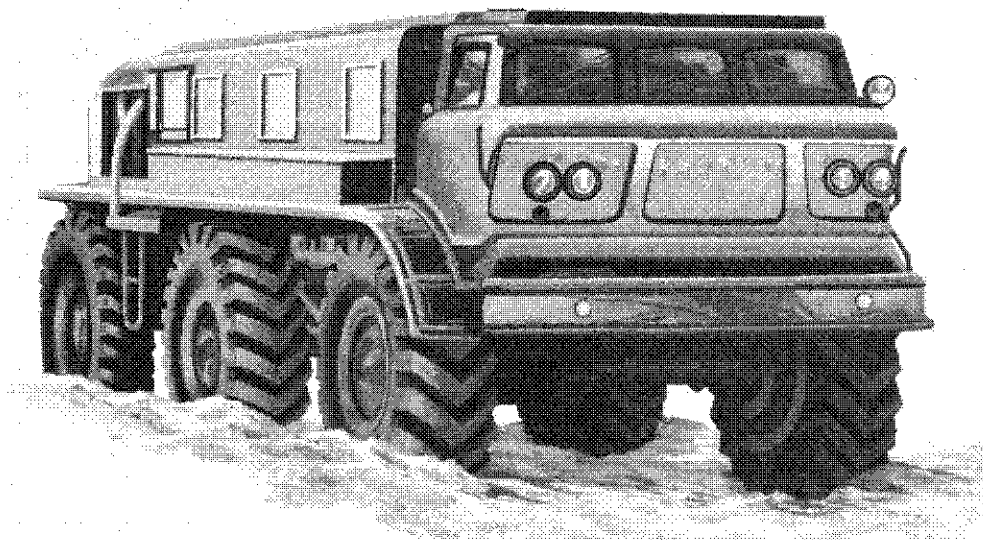
PRODUCED/ADOPTED: ? /

CATALOG: TB-381-5-22

(OLD 2-2320-4-65)

COUNTRY: U.S.S.R.

DATE UPDATED: 23JUL73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-85-6
NOMEN: TRUCK CARGO 5 TON 6X6 ZIL-E-167
PRODUCED/ADOPTED: 7 /

CATALOG: T8-381-5-22
(OLD 2-2320-4-85)
COUNTRY: U.S.S.R.
DATE UPDATED: 23 JUL 73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-86-A

CATALOG: TB-381-5-22

NOMEN: TRUCK CARGO 7 1/2-TON, 6 X 4 URAL-377

(OLD 2-2320-4-86)

NATIVE DES: AVTOMOBILI URAL-377

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1965-DATE/

DATE UPDATED: 07AUG73

(U)THE URAL MOTOR VEHICLE PLANT, MIASS, U.S.S.R. HAS BEEN PRODUCING THE URAL-377 TRUCK SINCE 1965. A MODIFIED 6 X 4 VERSION OF THE EARLIER URAL-375 (FOM-2320-2-4-69), IT INCORPORATES A LARGER CARGO AREA WITH GREATER LOAD-CARRYING CAPACITY (7.5 INSTEAD OF 4.5 TONS METRIC). THE MAJORITY OF THE COMPONENTS IN BOTH TRUCKS, SUCH AS TRANSMISSION, DRIVE SHAFTS, COOLING SYSTEM, STEERING LINKAGE AND POWER STEERING, BRAKES, SUSPENSION, AND WHEEL HUBS ARE INTERCHANGEABLE. THE URAL-377 DOES NOT HAVE: A CENTRALIZED TIRE-INFLATION SYSTEM; SEALED COMPONENTS; A POWER WINCH; OR A SHIELDED ELECTRICAL SYSTEM. THE BED CONSISTS OF A WOODEN PLATFORM WITH DROP SIDES AND TAILGATE. ITS ALL METAL CAB SEATS THREE.

(U)ALTHOUGH NOT A TACTICAL VEHICLE, THE URAL-377 DOES SERVE AS A MILITARY TRANSPORT FOR HAULING PERSONNEL AND CARGO.

(U)IN ADDITION TO THE BASIC DESIGN, THIS SERIES INCLUDES THE URAL-377S TRUCK-TRACTOR AND THE 377V DUMP TRUCK. QUALITY CONTROL OF THE INDIVIDUAL ELEMENTS OF URAL TRUCKS IS REPORTEDLY POOR.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-86-A
 NOMEN: TRUCK CARGO 7 1/2-TON, 6 X 4 URAL-377

CATALOG: TB-381-5-22
 IOLD 2-2320-4-861
 COUNTRY: U.S.S.R.
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1965-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 7275
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 7500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 15,000
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 3410
 -EMPTY REAR ----- 1933 (EAF)
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 4000
 -LOADED REAR ON HWY -- 9500 (EAF)
 PERSONNEL LOAD (NRI) ----- 3 IN CAB, 16 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 10,500
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7590
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 2620
 CARGO SPACE-
 -LENGTH ----- 4510
 -WIDTH ----- 2500
 -HGT OF SIDES ----- 700
 TREAD, C TO C-
 -FRONT ----- 1999
 -REAR ----- 1999
 WHEELBASE ----- 4201
 GROUND CLEARANCE ----- 400
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 10,520
 FORDING DEPTH (MM) ----- 600
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 48
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 623
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 75
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- 44 DEG
 ANGLE OF DEPARTURE (DEG) --- 42 DEG
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ZEL-375YA
 TYPE ----- V-8, 4 CYCLE
 MAX HP AT RPM ----- 175 AT 3000
 MAX TORQUE (KGM) ----- 47.5 AT 1800
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 108
 STROKE (MM) ----- 95
 DISPLACEMENT (LITERS) 7
 FOM NR ----- FOM-2-2805-1-13

GENERAL DATA:

TIRES-
 -SIZE ----- 14:00 X 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 595
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 300
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- *1
 -PARKING TYPE ----- *2
 SUSPENSION SYSTEM-
 -FRONT ----- *3
 -REAR ----- *4
 TRANSMISSION-
 -TYPE ----- *5
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2 (NO FRONT WHEEL DRIVE)
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 12
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) --- ?

REMARKS:

1/ HYDRO-PNEUMATIC ON ALL WHEELS
 2/ MECHANICAL ACTUATOR ON TRANSMISSION
 3/ SEMIELLIPTICAL LEAF SPRINGS
 4/ CENTRALIZER ARM ON LONGITUDINAL
 SEMIELLIPTIC LEAF SPRINGS
 5/ MANUAL-SYNCHRONIZERS IN 2D,
 3D, 4TH AND 5TH SPEEDS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-86-8

NOMEN: TRUCK CARGO 7 1/2-TON, 6 X 4 URAL-377

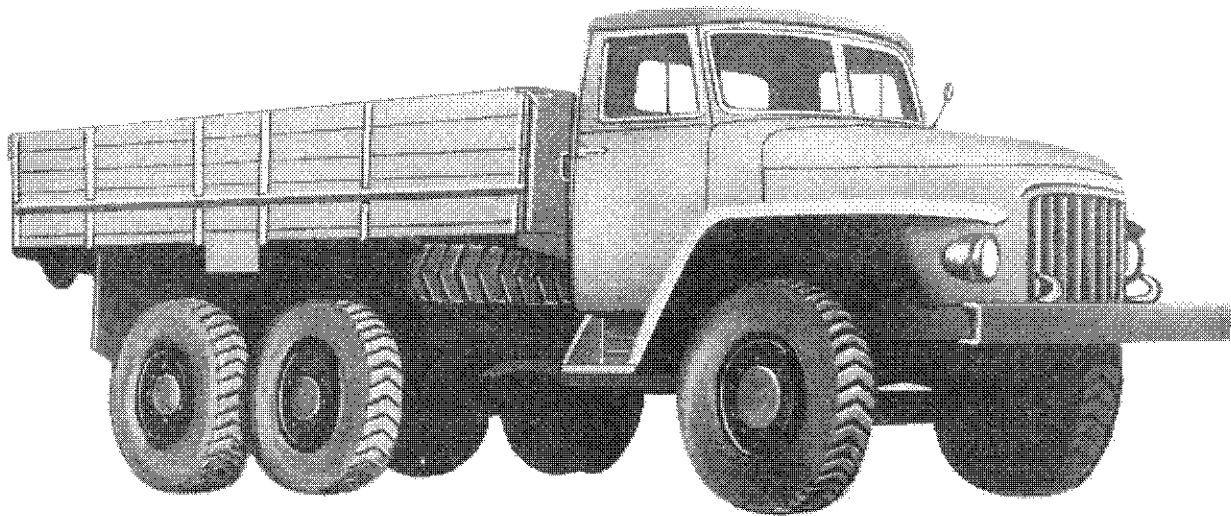
PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-5-22

(OLD 2-2320-4-86)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-86-B

NOMEN: TRUCK CARGO 7 1/2-TON, 6 X 4 URAL-377

PRODUCED/ADOPTED: 1965-DATE/

CATALOG: T8-381-5-22

(OLD 2-2320-4-86)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-47-A

CATALOG: TB-361-5-22

NOMEN: TRUCK, CARGO, 4-TON, 4X2 GAZ-53A

(OLD 2-2320-4-87)

NATIVE DES: АВТОМОБИЛЬ ГАЗ-53А
PRODUCED/ADOPTED: 65 TO DATE

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U) PRODUCED AT THE GOR'KIY AUTOMOTIVE PLANT IN MOSCOW, THE GAZ-53A REPLACES THE GAZ-53 (FOM-2320-2-4-75) AND THE GAZ-53F (FOM-2320-2-4-79), AN INTERIM MODEL.

(U) THE GAZ-53A HAS SEVERAL DESIGN CHANGES, INCLUDING GREATER CARGO CAPACITY AND IMPROVED BRAKES. THE HOOD DIFFERS FROM THAT OF THE GAZ-53, WITH THE HEADLIGHTS BENEATH THE PARKING LIGHTS INSTEAD OF ABOVE, AS ON THE GAZ-53, AND WITH ADDITIONAL HORIZONTAL SLITS ADDED UNDER THE RESHAPED GRILLE TO COOL THE RADIATOR. TWO REAR-VIEW MIRRORS OUTSIDE THE DRIVER'S COMPARTMENT ARE ANOTHER DISTINGUISHING FEATURE.

(U) THE WOOD-METAL BED OF THE GAZ-53A HAS REMOVABLE SIDEBORDS AND A DROP TAILGATE.

(U) THE GAZ-53A IS POWERED BY A V-8 ENGINE WITH A COMPRESSION RATIO OF 6.7 TO 1.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-87-A
 NOMEN: TRUCK, CARGO, 4-TON, 4X2 GAZ-53A

CATALOG: TB-381-5-22
 (OLD 2-2320-4-87)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 65 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 3250
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 4000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 7250
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 1480
 -EMPTY REAR ----- 1790
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 1735
 -LOADED REAR ON HWY --- 5515
 PERSONNEL LOAD (NR) ----- 2 IN CAB 14 REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 4000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6395
 WIDTH O'ALL ----- 2380
 HEIGHT O'ALL ----- 2220
 CARGO SPACE-
 -LENGTH ----- 3740
 -WIDTH ----- 2170
 -HGT OF SIDES ----- 680
 TREAD, C TO C-
 -FRONT ----- 1630
 -REAR ----- 1690
 WHEELBASE ----- 3700
 GROUND CLEARANCE ----- 265
 PINTLE HEIGHT -----
 HGT TO C OF 5TH WHL ---

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 8500
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 24
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 80
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 41
 ANGLE OF DEPARTURE (DEG) --- 25
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- GAZ-53A
 TYPE ----- V8, 4CYCLE
 MAX HP AT RPM ----- 115 AT 3200
 MAX TORQUE (KGM) ----- 29 AT 2000-2500
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 92
 STROKE (MM) ----- 80
 DISPLACEMENT (LITERS) 4.25

FOM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 8.25 X 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 465
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 90
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- VACUUM-HYDRAULIC
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPGS
 -REAR ----- *1
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK, BODY:

PUMP:

HOSES:

REMARKS:

1/ SEMIELLIPTIC SPGS W/OVERLOAD SPRINGS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-2-4-87-B

NOMEN: TRUCK, CARGO, 4-TON, 4X2 GAZ-53A

PRODUCED/ADOPTED: 65 TO DATE

CATALOG: TB-381-5-22
(OLD 2-2320-4-87)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-87-B
NOMEN: TRUCK, CARGO, 4-TON, 4X2 GAZ-53A
PRODUCED/ADOPTED: 65 TO DATE

CATALOG: TB-381-5-22
(OLD 2-2320-4-87)
COUNTRY: U.S.S.R.
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-2-4-88-A

CATALOG: TH-381-5-22

NOMEN: TRUCK, CARGO, 14-TON, 6X4, MAZ-514

(OLD 2-2320-4-88)

NATIVE DES: AVTOMOBIL1 MAZ-514

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1966-DATE/

DATE UPDATED: 30AUG73

(U)THE MAZ-514, 6X4, HEAVY - DUTY CARGO TRUCK IS PRODUCED BY THE MINSK MOTOR VEHICLE PLANT. THIS TRUCK IS BELIEVED TO BE OF THE SAME BASIC SERIES AS THE MAZ-504 TRUCK-TRACTOR. THIS VEHICLE HAS A CAB AND CHASSIS WHICH APPEAR TO BE IDENTICAL TO THE MAZ-504, AND CAN CARRY A PAYLOAD OF 14 METRIC TONS.

(U)ALTHOUGH THE MAZ-514 IS A CIVILIAN VERSION WITHOUT CROSS-COUNTRY CAPABILITY, IT DOES POSSESS A MILITARY ADAPTABILITY FOR LONG HAULS OVER PAVED ROADS. THE ADDITION OF A FRONT-WHEEL DRIVE COULD GIVE THIS VEHICLE A MORE POSITIVE MILITARY ROLE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-88-A
 NOMEN: TRUCK, CARGO, 14-TON, 6X4, MAZ-514

CATALOG: TB-381-5-22
 (OLD 2-2320-4-88)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1966-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 8,700
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 14,000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 22700
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 4180
 -EMPTY REAR ----- 4520
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 6360
 -LOADED REAR ON HWY -- 16340

PERSONNEL LOAD (NR) ----- 3 IN CAB, 16 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6190
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 2620
 CARGO SPACE-

-LENGTH ----- 4510 ?
 -WIDTH ----- 2190 ?
 -HGT OF SIDES ----- 4880 ?

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 3,200

GROUND CLEARANCE ----- 290

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 14,200
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 30
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 660
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 80
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- YAMZ-236
 TYPE ----- V-6 OHV
 MAX HP AT RPM ----- 180 AT 2100
 MAX TORQUE (KG-M) ----- 68 AT 1500
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 130
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 11.15

FOM NR ----- 2815-2-1-4

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 X 22
 -PLY ----- 14
 -TYPE ----- ?

-LOADED RADIUS (MM) - 540
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 200
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC ?
 -PARKING TYPE ----- MECHANICAL ?

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?

-AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24 (2 12V BATTERIES)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) --- ?

REMARKS:

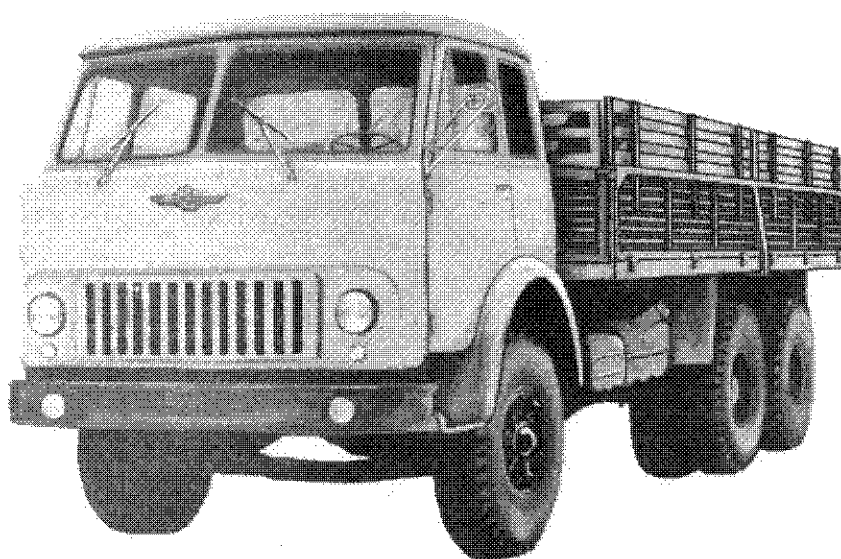
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-68-0
NOMEN: TRUCK, CARGO, 14-TON, 6X4, MAZ-S14
PRODUCED/ADOPTED: 1966-DATE/

CATALOG: T3-381-5-22
TOLD 2-2320-4-881
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-88-8

NOMEN: TRUCK, CARGO, 14-TON, 6X4, MAZ-514

PRODUCED/ADOPTED: 1966-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-88)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-89-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, DUMP, 40 TON 4X2 BELAZ-548

(OLD 2-2320-4-89)

NATIVE DES: AVTOMOBILI, SAMOSVALY BELAZ-548
PRODUCED/ADOPTED: 1967-DATE?/

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

{U}THE BELAZ-548 DUMP TRUCK IS PRODUCED BY THE BELORUSSIAN MOTOR VEHICLE PLANT, ZHODINO. SIMILAR IN APPEARANCE TO THE BELAZ-540 {FOM-2320-2-4-89}, THE 548 WAS DEVELOPED TO HANDLE LARGER CAPACITIES--UP TO 28 CUBIC YARDS--AND STILL MAINTAIN THE DESIRABLE CHARACTERISTICS OF THE BELAZ-540 DUMP TRUCK. THE BELAZ-548 IS EQUIPPED WITH AN ENCLOSED, HEATED CAB AND AN ADJUSTABLE DRIVER'S SEAT.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-89-A
 NOMEN: TRUCK, DUMP, 40 TON 4X2 BELAZ-548

CATALOG: TB-381-5-22
 (OLD 2-2320-4-89)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1967-DATE?/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 26,500
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 40,000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 66,500
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 21,900 ?
 -LOADED REAR ON HWY --- 44,600 ?
 PERSONNEL LOAD (NR) --- 1 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 8170
 WIDTH O/ALL ----- 3690
 HEIGHT O/ALL ----- 3720
 CARGO SPACE-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 4,200
 GROUND CLEARANCE ----- ?
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 9510
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 57
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- D 12A-525
 TYPE ----- V-12
 MAX HP AT RPM ----- MAX HP AT RPM - 525 AT 210
 MAX TORQUE (KGM) ----- MAX TORQUE AT RPM (KGM) ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 150
 STROKE (MM) ----- 180 LEFT, 187.6 RIGHT
 DISPLACEMENT (LITERS) 38.8

FOM NR ----- 2815-2-1-17

GENERAL DATA:

TIRES-

-SIZE ----- 20.00 X 33
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- AIR ?
 -PARKING TYPE ----- MECHANICAL ?

SUSPENSION SYSTEM-

-FRONT ----- AIR-HYDRAULIC
 -REAR ----- AIR-HYDRAULIC

TRANSMISSION-

-TYPE ----- HYDRO-MECHANICAL
 -NR SPEEDS FWD/RVSE - ?

TRANSFER, NR SPEEDS --- ?

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- ?
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-89-B
NOMEN: TRUCK, DUMP, 40 TON 4X2 BELAZ-54B

CATALOG: T8-381-5-22
(OLD 2-2320-4-89)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1967-DATE??



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-89-B

NOMEN: TRUCK, DUMP, 40 TON 4X2 BELAZ-548

PRODUCED/ADOPTED: 1967-DATE?/

CATALOG: TB-381-5-22
(OLD 2-2320-4-89)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-90-A

CATALOG: T8-381-5-22

NOMEN: TRUCK TANK PDL 4X2 7000-LITER, TZ-200

(OLD 2-2320-4-90)

NATIVE DES: АВТОМОБИЛЬ-ТОПЛИВОЗАПРАВЩИК, ТЗ-200
PRODUCED/ADOPTED: ?/

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U) THE TZ-200 TANK TRUCK IS DESIGNED TO PROVIDE FILTERED FUEL TO AIRCRAFT OR MOTOR VEHICLES. THE TANK BODY, MADE OF 3 MM-THICK STEEL, IS MOUNTED ON A MAZ-200 TRUCK CHASSIS (FOM-2320-2-4-12), AND IS EQUIPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP.

(U) A CABINET IN THE REAR OF THE TANK BODY HOUSES A FUEL FILTER, METER, LEVEL INDICATOR, AND CONTROL VALVES; THERE ARE TWO SIDE CABINETS AT THE REAR OF THE TANK BODY, EACH HOLDING ONE 15-METER DELIVERY HOSE. SINGLE HOSE TUBES, EACH ACCOMMODATING ONE 4.5 METER LENGTH OF SUCTION HOSE, ARE WELDED TO EACH SIDE OF THE TANK. POWERED BY THE TRUCK'S TRANSMISSION, THE DISPENSING PUMP IS LOCATED UNDER THE FRONT END OF THE TANK BODY.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-90-A
NOMEN: TRUCK TANK POL 4X2 7000-LITER, TZ-200

CATALOG: TB-381-5-22
(OLD 2-2320-4-90)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ?/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 7850
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 5450
-PAYLOAD, WATER ----- ?
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 13,300
-GROSS, WATER ----- ?
AXLE LOAD (KG)-
-EMPTY FRONT ----- 3070
-EMPTY REAR ----- 4780
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY -- ?
-LOADED FRONT ON HWY -- 3600
-LOADED REAR ON HWY --- 9700
PERSONNEL LOAD (NR) ----- 3 IN CAB
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- ?
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7700
WIDTH O/ALL ----- 2650
HEIGHT O/ALL ----- 2700
CARGO SPACE-
-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A
TREAD, C TO C-
-FRONT ----- ?
-REAR ----- ?
WHEELBASE ----- 4520
GROUND CLEARANCE ----- 290
PINTLE HEIGHT ----- N/A
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
TURNING RADIUS (MM) ----- 9510
FORDING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 30
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 700
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 65
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- ?
ANGLE OF DEPARTURE (DEG) --- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ LENGTH 3750 MM WIDTH 2180 MM HEIGHT 1230 MM
2/ SELF-PRIMING CENTRIFUGAL

ENGINE:

MODEL ----- YAAZ-M204A
TYPE ----- 4 IN-LINE, OHV
MAX HP AT RPM ----- 120 AT 2000
MAX TORQUE (KGM) ----- 47 @ 1200
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 108
STROKE (MM) ----- 127
DISPLACEMENT (LITERS) 4.65

FOM NR ----- 2815-2-1-1

GENERAL DATA:

TIRES-
-SIZE ----- 12:00 X 20
-PLY ----- ?
-TYPE ----- ?
-LOADED RADIUS (MM) - ?
-INFLATION SYSTEM --- ?
FUEL CAP (LITERS)-
-MAIN TANK ----- 225
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- AIR
-PARKING TYPE ----- MECHANICAL
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- DBLE SEMIELLIPTIC SPRING
TRANSMISSION-
-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 5/1
TRANSFER, NR SPEEDS --- N/A
LOCKING DIFFERENTIAL-
-MANUAL ----- N/A
-AUTOMATIC ----- N/A
ELEC SYSTEM (VOLTS) --- 12V
WINCH-TYPE ----- N/A
-CAPACITY (KG) ----- N/A
-CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
NR COMPARTMENTS --- 1
LG X WD X HGT (MM)- *1
WEIGHT-EMPTY (KG) - 2360
CAPACITY (LITERS) - 7000

PUMP:

TYPE ----- *2
MODEL ----- STSL-20-24
SPEED RPM ----- 1450 RPM
CAPACITY (LITERS P/MIN) ----- 500

HOSES:

SUCTION HOSE LENGTH (M) ----- 4.5
-DIAMETER (MM) ----- 65
DELIVERY HOSE LENGTH (M) ----- 15
-DIAMETER (MM) ----- 38
AUX DELIVERY HOSE LGTH (M) -- N/A
-DIAMETER (MM) ----- N/A

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-90-8

NOMEN: TRUCK TANK PDC 4X2 7000-LITER, TZ-200

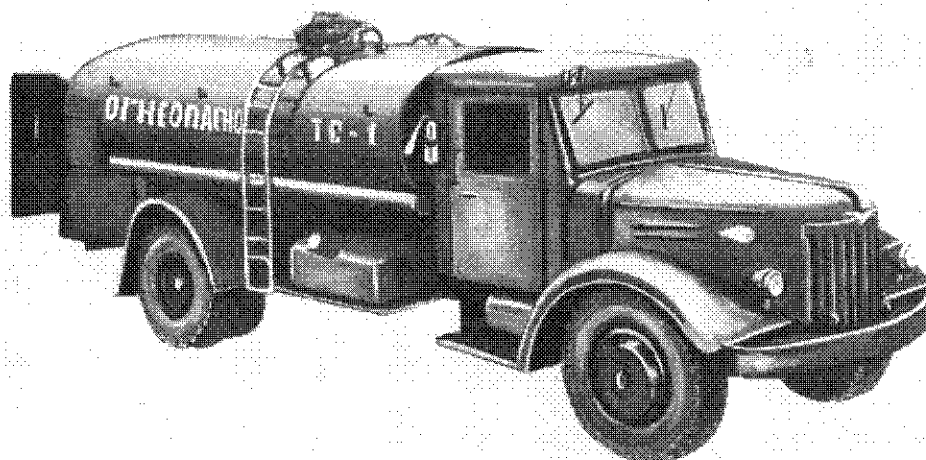
PRODUCED/ADOPTED: ??

CATALOG: T8-381-5-22

(DLD 2-2320-4-90)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-90-B

NOMEN: TRUCK TANK POL 4X2 7000-LITER, TZ-200

PRODUCED/ADOPTED: ?/

CATALOG: TB-381-5-22
(OLD 2-2320-4-90)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01DEC67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-91-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, POL, 4x2, 8000 LITERS, ATS-8-200

(OLD 2-2320-4-91)

NATIVE DES: АВТОМОБИЛЬ-ЦИСТЕРНА, АИ-8-200
PRODUCED/ADOPTED: ??

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

(U)THE ATS-8-200 TANK TRUCK IS DESIGNED TO TRANSPORT LIQUID POL PRODUCTS AND TO STORE THEM FOR SHORT PERIODS OF TIME. ALSO GENERALLY USED TO REPLENISH POL FIELD SUPPLY DEPOTS, THE VEHICLE IS EQUIPPED WITH A LEVEL INDICATOR AND TWO DELIVERY HOSES. SINGLE HOSE TUBES, EACH ACCOMMODATING ONE 4.5 METER LENGTH OF DELIVERY HOSE, ARE WELDED TO EACH SIDE OF THE TANK. FUEL IS DISCHARGED FROM THE TANK THROUGH THE DELIVERY HOSE BY GRAVITY FEED.

(U)THE TANK BODY IS MADE OF 3 MM-THICK STEEL, MOUNTED ON A MAZ-200 TRUCK CHASSIS (FOM-2320-2-4-12), AND IS EQUIPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY ON THE TOP.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-91-A
 NOMEN: TRUCK, TANK, POL, 4X2, 8000 LITERS, ATS-8-200

CATALOG: TB-381-5-22
 (OLD 2-2320-4-91)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ?/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 7,100
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 6265
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 13,365
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 2,980
 -EMPTY REAR ----- 4120
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 3515
 -LOADED REAR ON HWY --- 9,850
 PERSONNEL LOAD (NR) ----- 3 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7250
 WIDTH O/ALL ----- 2650
 HEIGHT O/ALL ----- 3070
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 4520
 GROUND CLEARANCE ----- 290
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 9510
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 30
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 700
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 64
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ DOUBLE SEMIELLIPTIC SPRINGS

ENGINE:

MODEL ----- YAAZ-M 204 A
 TYPE ----- 4 IN-LINE, OHV
 MAX HP AT RPM ----- 120 AT 2000
 MAX TORQUE (KGM) ----- 47 @ 1200
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 108
 STROKE (MM) ----- 127
 DISPLACEMENT (LITERS) 4.65

FOM NR ----- 2815-2-1-1

GENERAL DATA:

TIRES-
 -SIZE ----- 12.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 225
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- AIR
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- *1
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 1
 LG X WD X HGT (MM)- 3790 2180 1920
 WEIGHT-EMPTY (KG) - 1450
 CAPACITY (LITERS) - 8000

PUMP:

TYPE ----- N/A
 MODEL ----- N/A
 SPEED RPM ----- N/A
 CAPACITY (LITERS P/MIN) ----- N/A

HOSES:

SUCTION HOSE LENGTH (M) ----- N/A
 -DIAMETER (MM) ----- N/A
 DELIVERY HOSE LENGTH (M) ----- 3
 -DIAMETER (MM) ----- 74
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-91-8

NOMEN: TRUCK, TANK, POL, 4X2, 8000 LITERS, AT5-8-200

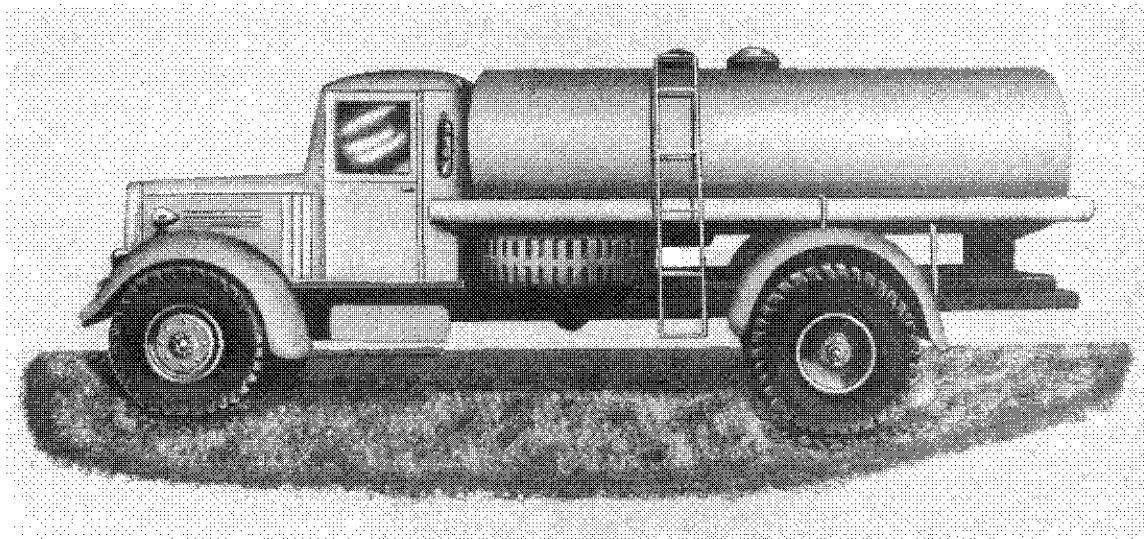
PRODUCED/ADOPTED: 77

CATALOG: T6-9a1-5-22

(OLD 2-2320-4-91)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-91-B

NOMEN: TRUCK, TANK, POL, 4X2, 8000 LITERS, ATS-8-200

PRODUCED/ADOPTED: ?/

CATALOG: YB-381-5-22

(OLD 2-2320-4-91)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-92-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, POL, 6X6, 4000 LITERS, ATSM-4-157

(OLD 2-2320-4-92)

NATIVE DES: АВТОМОБИЛЬ-ЦИСТЕРНА, АУМ-4-157

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: ??

DATE UPDATED: 30AUG73

(U)DESIGNED TO TRANSPORT LIQUID POL PRODUCTS AND TO PROVIDE FILTERED FUEL TO MOTOR VEHICLES, THE ATSM-4-157 IS EQUIPPED WITH A FINE FILTER, A METER, A LEVEL INDICATOR, THREE 3 METER SECTION HOSES, AND TWO 3 METER DELIVERY HOSES. THESE HOSES ARE HOUSED IN COMPARTMENTS LOCATED ON EACH SIDE OF THE TANK BODY. POWERED BY THE TRUCK'S TRANSMISSION, THE DISPENSING PUMP IS LOCATED UNDER THE TANK BODY.

(U)THE TANK BODY, MADE OF 3 MILLIMETERS-THICK STEEL, IS MOUNTED ON A ZIL-157 TRUCK CHASSIS (FOM-2320-2-4-57), AND IS EQUIPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-92-A
 NOMEN: TRUCK, TANK, POL, 6X6, 4000 LITERS, ATSM-4-157

CATALOG: TB-381-5-22
 (OLD 2-2320-4-92)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ??

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 6250
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 3325
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- N/A
 -GROSS ON HWY ----- 9575
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 2300
 -EMPTY REAR ----- 1975 (EA)
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 2665
 -LOADED REAR ON HWY --- 3455 EA
 PERSONNEL LOAD (NR) ----- 3 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6754
 WIDTH O/ALL ----- 2300
 HEIGHT O/ALL ----- 2680
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 4225
 GROUND CLEARANCE ----- 310
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 12,100
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 42
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 513
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 65
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) ---- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

L/ 3,400 X 1590 X 1290

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U N C L A S S I F I E D

ENGINE:

MODEL ----- ZIL-157
 TYPE ----- 6 IN-LINE, L HEAD
 MAX HP AT RPM ----- 104 AT 2600
 MAX TORQUE (KGM) ----- 33 @ 1300
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 101.6
 STROKE (MM) ----- 114.3
 DISPLACEMENT (LITERS) 5.55

FOM NR ----- FOM-2805-2-1-11

GENERAL DATA:

TIRES-
 -SIZE ----- 12.00 X 18
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 150
 -AUX TANK ----- 64
 BRAKES-
 -PRIMARY TYPE ----- PNEUMATIC ALL WHEELS
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRING
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 1
 LG X WD X HGT (MM)- *1
 WEIGHT-EMPTY (KG) - 1280
 CAPACITY (LITERS) - 4000

PUMP:

TYPE ----- SELF-PRIME TURBINE
 MODEL ----- SVN-80
 SPEED RPM ----- 1450 RPM
 CAPACITY (LITERS P/MIN) ----- 500

HOSES:

SUCTION HOSE LENGTH (M) ----- 3
 -DIAMETER (MM) ----- 65
 DELIVERY HOSE LENGTH (M) ----- 9
 -DIAMETER (MM) ----- 25
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

U N C L A S S I F I E D

FOM-2320-2-4-92-8

NOMEN: TRUCK, TANK, POL, 6x6, 4000 LITERS, ATSM-4-157

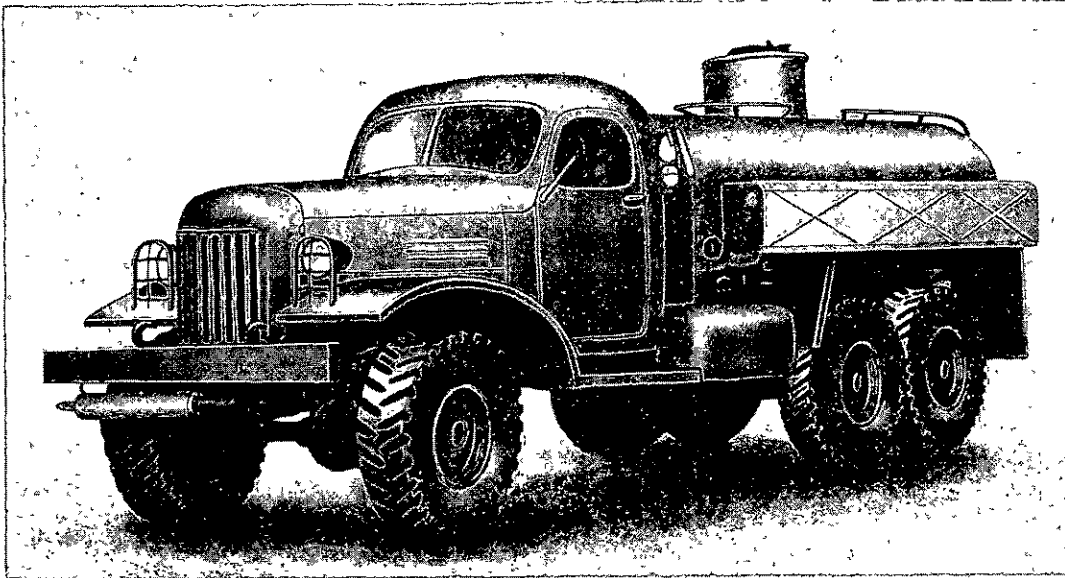
PRODUCED/ADOPTED: 77

CATALOG: TB-381-5-22

(OLD 2-2320-4-92)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-92-8

NOMEN: TRUCK, TANK, POL, 6X6, 4000 LITERS, ATSM-4-157

PRODUCED/ADOPTED: ?/

CATALOG: TB-381-5-22
(OLD 2-2320-4-92)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-93-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, POL, 6X6, 3000 LITERS, ATZ-3-157

(OLD 2-2320-4-93)

NATIVE DES: АВТОМОБИЛЬ-ТОПЛИВОЗАПРАВЩИК. АТЗ-3-157
PRODUCED/ADOPTED: 77

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE ATZ-157 FUEL SERVICE TRUCK IS DESIGNED TO TRANSPORT LIQUID POL PRODUCTS AND TO SERVICE MOTOR VEHICLES WITH FILTERED FUEL. THE TANK BODY, MOUNTED ON A ZIL-157 TRUCK CHASSIS, IS MADE OF STEEL AND IS EQUIPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP.

(U)THIS SERVICE TRUCK IS EQUIPPED WITH A FUEL FILTER, METER, LEVEL INDICATOR, CONTROL VALVES, ONE 9 METER SUCTION HOSE, AND FOUR DELIVERY HOSES, EACH 9 METER IN LENGTH. THE DELIVERY HOSES, HOUSED IN COMPARTMENTS LOCATED ON EACH SIDE OF THE TANK BODY, CAN SERVICE FOUR VEHICLES SIMULTANEOUSLY WITH FILTERED FUEL. THE DISPENSING PUMP, POWERED BY THE TRUCK'S TRANSMISSION, IS LOCATED UNDER THE TANK BODY.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-93-A

NOMEN: TRUCK, TANK, POL, 6X6, 3000 LITERS, ATZ-3-157

PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22
 (OLD 2-2320-4-93)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 6700
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 2500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 9,200
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2380
 -EMPTY REAR ----- 2160 EA
 -LOADED FRONT OFF HWY - ?
 -LOADED, REAR OFF HWY - ?
 -LOADED, FRONT ON HWY - 2520
 -LOADED REAR ON HWY - 3340 EA

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7010
 WIDTH O/ALL ----- 2330
 HEIGHT O/ALL ----- 2685

CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 4220

GROUND CLEARANCE ----- 3720

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 12,100

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 42
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 513
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 64
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- ?

ANGLE OF DEPARTURE (DEG) ----- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

REMARKS:

ENGINE:

MODEL ----- ZIL-157
 TYPE ----- 6 IN-LINE, L HEAD
 MAX HP AT RPM ----- 104 @ 2600
 MAX TORQUE (KGM) ----- 33 @ 1300
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 101.6
 STROKE (MM) ----- 114.3
 DISPLACEMENT (LITERS) 5.55

FOM NR ----- 2805-2-1-1

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 X 18
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 150
 -AUX TANK ----- 64

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC ALL WHEELS
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A

-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL

NR COMPARTMENTS --- 1

LG X WD X HGT (MM)- ? X ? X ?

WEIGHT-EMPTY (KG) - 1730

CAPACITY (LITERS) - 3000

PUMP:

TYPE ----- SELF-PRIME TURBINE

MODEL ----- SVN-80

SPEED RPM ----- 1450 RPM

CAPACITY (LITERS P/MIN) ----- 500

HOSES:

SUCTION HOSE LENGTH (M) ----- 9

-DIAMETER (MM) ----- 65

DELIVERY HOSE LENGTH (M) ----- 9

-DIAMETER (MM) ----- 25

AUX DELIVERY HOSE LGTH (M) -- N/A

-DIAMETER (MM) ----- N/A

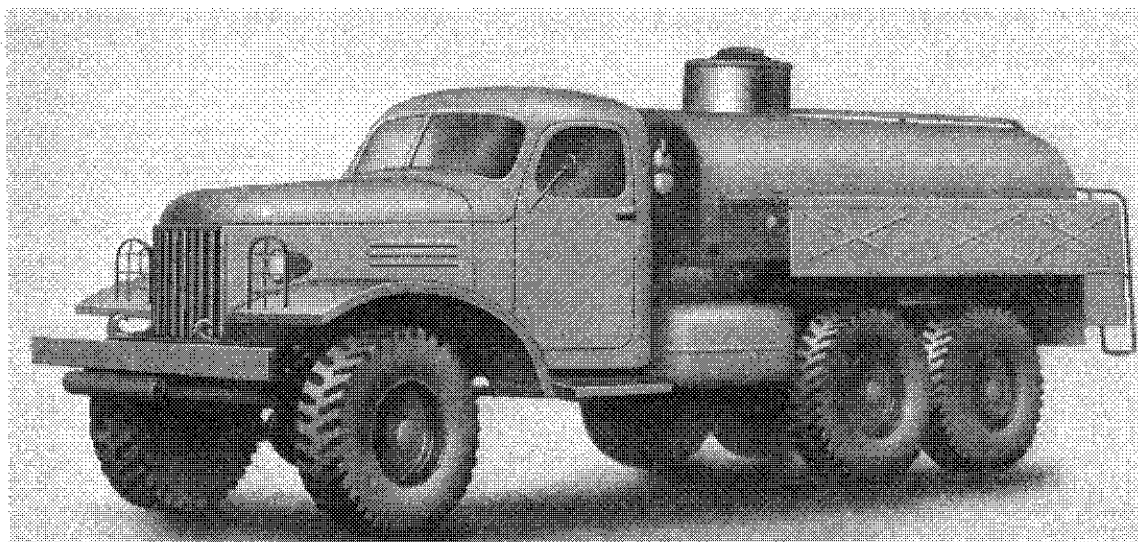
DATE CATALOGED: 01MAR68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-93-8
NGMEN: TRUCK, TANK, POL, 6X6, 3000 LITERS, ATZ-3-157
PRODUCED/ADOPTED: 77

CATALOG: TB-381-5-22
EOLD 2-2320-4-931
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-93-B

NOMEN: TRUCK, TANK, POL, 6X6, 3000 LITERS, ATZ-3-157

PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22
(OLD 2-2320-4-93)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01MAR68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-94-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, POL, 4X2, 4000 LITERS, ATS-4-164

(OLD 2-2320-4-94)

NATIVE DES: АВТОМОБИЛЬ-ЦИСТЕРНА, АЦ-4-164

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: ??

DATE UPDATED: 30AUG73

(U)THE ATS-4-164 TANK TRUCK IS DESIGNED TO TRANSPORT AND DISTRIBUTE LIQUID POL PRODUCTS AND TO STORE FUEL FOR SHORT PERIODS OF TIME. THE TANK BODY, MOUNTED ON A ZIL-164 TRUCK CHASSIS, IS MADE OF STEEL 3 MILLIMETERS THICK AND IS EQUIPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP.

(U)THE ATS-4-164 IS EQUIPPED WITH A LEVEL INDICATOR, TWO 3 METER SUCTION HOSES, AND ONE 4.5 METER DELIVERY HOSE. THESE HOSES ARE HOUSED IN COMPARTMENTS LOCATED ON EACH SIDE OF THE TANK BODY. A MANUAL PUMP, USED TO FILL OR EMPTY THE TANK, IS LOCATED AT THE REAR, ON THE LEFT SIDE OF THE TRUCK.

DATE CATALOGED: 01DEC70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-94-A
 NOMEN: TRUCK, TANK, POL, 4X2, 4000 LITERS, ATS-4-164

CATALOG: TB-381-5-22
 (OLD 2-2320-4-94)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ??

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 4895
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 3280
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 8175
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 1795
 -EMPTY REAR ----- 3100
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 2120
 -LOADED REAR ON HWY - 6055
 PERSONNEL LOAD (NR) ----- 3 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6750
 WIDTH O/ALL ----- 2340
 HEIGHT O/ALL ----- 2580
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 4000
 GROUND CLEARANCE ----- 265
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 8500
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 27
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 560
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 70
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ DOUBLE SEMIELLPTIC SPRINGS
 2/ 3380 X 1600 X 960

ENGINE:

MODEL ----- ZIL-164
 TYPE ----- 6 IN-LINE, L HEAD
 MAX HP AT RPM ----- 97 AT 2600
 MAX TORQUE (KGM) ----- 33 @ 1300
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 101.6
 STROKE (MM) ----- 114.3
 DISPLACEMENT (LITERS) 5.55

FOM NR ----- FOM-2805-2-1-11

GENERAL DATA:

TIRES-
 -SIZE ----- 9.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 150
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- PNEUMATIC ALL WHEELS
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLPTIC SPRINGS
 -REAR ----- *1
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 1
 LG X WD X HGT (MM)- *2
 WEIGHT-EMPTY (KG) - 1245
 CAPACITY (LITERS) - 4000

PUMP:

TYPE ----- MANUAL
 MODEL ----- NR-3
 SPEED RPM ----- N/A
 CAPACITY (LITERS P/MIN) ----- ?

HOSES:

SUCTION HOSE LENGTH (M) ----- 3
 -DIAMETER (MM) ----- 65
 DELIVERY HOSE LENGTH (M) ----- 4.5
 -DIAMETER (MM) ----- 38
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

DATE CATALOGED: 01DEC70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-94-8

NOMEN: TRUCK, TANK, POL, 4x2, 4000 LITERS, ATS-4-164

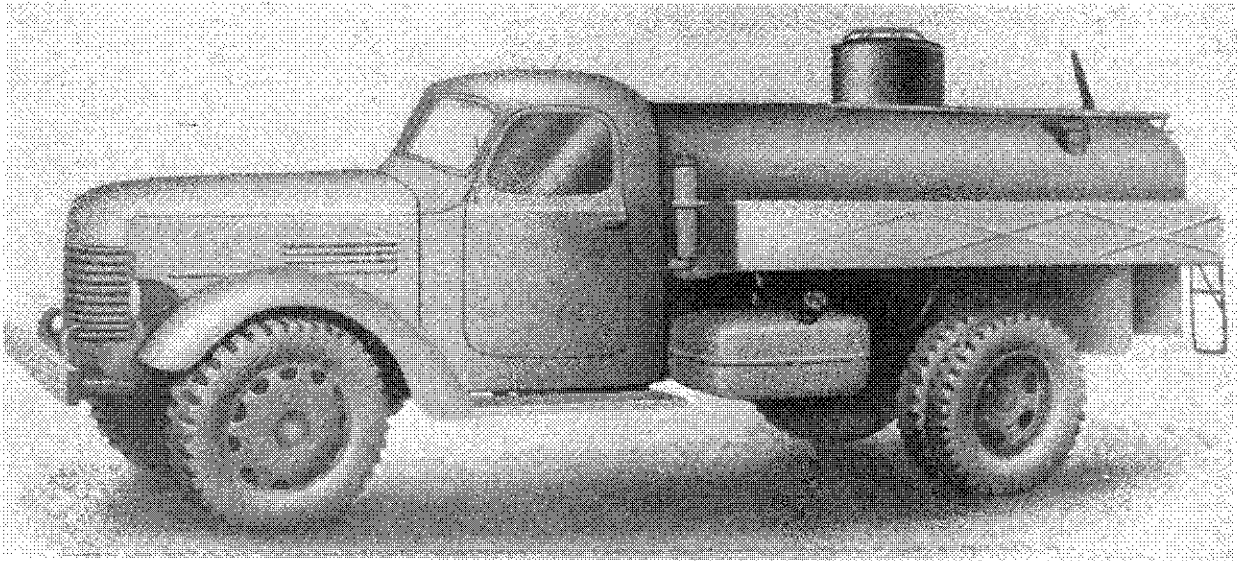
PRODUCED/ADOPTED: 27

CATALOG: TS-381-5-22

(ULO 2-2320-4-94)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



DATE CATALOGED: 01DEC70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-94-8

NOMEN: TRUCK, TANK, POL, 4X2, 4000 LITERS, ATS-4-164

PRODUCED/ADOPTED: 7/

CATALOG: TB-381-5-22

(OLD 2-2320-4-94)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01DEC70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-95-A

CATALOG: TD-381-S-22

NOMEN: TRUCK, UTILITY, 1/2 TON 4X4, UAZ-469

(OLD 2-2320-4-95)

NATIVE DES: AVTOMOBILI UAZ-469

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1973-DATE/

DATE UPDATED: 30AUG73

(U)THE UAZ-469 UTILITY TRUCK, DEVELOPED BY THE UL'YANOVSK MOTOR VEHICLE PLANT, UL'YANOVSK, U.S.S.R., IS SCHEDULED TO REPLACE THE GAZ-69. OUTSTANDING FEATURES OF THIS VEHICLE INCLUDE IMPROVED CROSS-COUNTRY PERFORMANCE, BETTER GASOLINE MILEAGE, GREATER STARTING TORQUE, INCREASED MAXIMUM AND CRUISING SPEEDS, GREATER LOAD CAPACITY, BETTER HEATING SYSTEM, AND MORE MODERN BODY LINES THAN THE GAZ-69. IT IS EQUIPPED WITH A VOLGA, 4-CYLINDER, LIQUID-COOLED ENGINE AND AN IMPROVED TRANSMISSION.

(U)THE UAZ-469 HAS A REMOVABLE CANVAS TOP AND SIDE CURTAINS AND A FOLD-DOWN WINDSHIELD, WHICH REDUCES ITS SILHOUETTE. THE TRUCK IS ADAPTABLE TO AIR TRANSPORTABILITY BY AIRPLANE OR HELICOPTER AND CAN BE AIRDROPPED.

DATE CATALOGED: Q1MAR69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-95-A
NOMEN: TRUCK, UTILITY, 1/2 TON 4X4, UAZ-469

CATALOG: TR-381-5-22
(OLD Z-2320-4-95)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1973-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 1540
-PAYLOAD OFF HWY ----- 600
-PAYLOAD ON HWY ----- 600
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- 2290
-GROSS ON HWY ----- 2290
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 830
-EMPTY REAR ----- 710
-LOADED FRONT OFF HWY -- 910
-LOADED REAR OFF HWY -- 1380
-LOADED FRONT ON HWY -- 910
-LOADED REAR ON HWY -- 1380
PERSONNEL LOAD (NR) ----- 2 AND 600 KG 7 AND 250
MAX TOWED LOAD (KG)-
-OFF HWY ----- 850
-ON HWY ----- 850
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 4025
WIDTH O'ALL ----- 1805
HEIGHT O'ALL ----- 2050
CARGO SPACE-
-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A
TREAD, C TO C-
-FRONT ----- 1448
-REAR ----- 1448
WHEELBASE ----- 2380
GROUND CLEARANCE ----- 300
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) --- 65
TURNING RADIUS (MM) ----- 6500
FORGING DEPTH (MM) ----- 580
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 18
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 310
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 100
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- 52
ANGLE OF DEPARTURE (DEG) --- 42
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- VOLVO M-21
TYPE ----- 4 CYLINDER, IN-LINE, OHV
MAX HP AT RPM ----- 72 AT 4000
MAX TORQUE (KGM) ----- ?
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 92
STROKE (MM) ----- 92
DISPLACEMENT (LITERS) 2.445

FOM NR ----- FOM 2805-2-1-12

GENERAL DATA:

TIRES-
-SIZE ----- 8.40 X 15
-PLY ----- 6
-TYPE ----- ?
-LOADED RADIUS (MM) - 370
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 60
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- HYDRAULIC
-PARKING TYPE ----- MECHANICAL
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPGS
-REAR ----- SEMIELLIPTIC SPRINGS
TRANSMISSION-
-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 4/1
TRANSFER, NR SPEEDS --- 2
LOCKING DIFFERENTIAL-
-MANUAL ----- N/A
-AUTOMATIC ----- N/A
ELEC SYSTEM (VOLTS) --- 12
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-95-8

NOMEN: TRUCK, UTILITY, 1/2 TON 4X4, UAZ-469

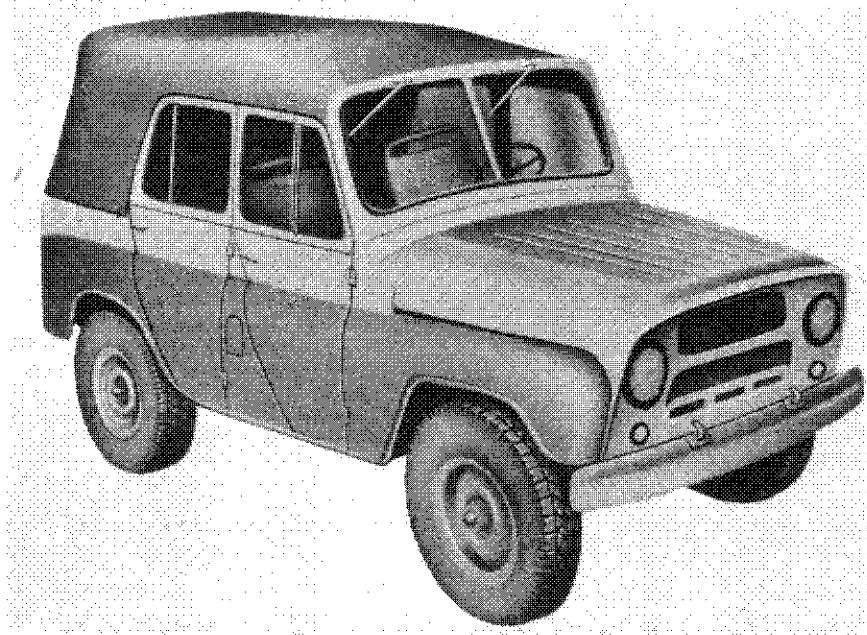
PRODUCED/ADOPTED: 1973-DATE/

CATALOG: TB-381-5-22

(OLD 2-2320-4-95)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-95-B

NOMEN: TRUCK, UTILITY, 1/2 TON 4X4, UAZ-469

PRODUCED/ADOPTED: 1973-GATE/

CATALOG: TD-381-S-22
(OLD 2-2320-4-95)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01MAR88
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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2320-2-4-96-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, UTILITY, 1/2 TON, 4 X 4, ZAZ-969

TOLD 2-2320-4-961

NATIVE DES: AVTOMOBILI ZAZ-969
PRODUCED/AOPTED: 1966 TO ??COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE SOVIET ZAZ-969 UTILITY TRUCK, WAS DEVELOPED BY THE KOMMUNAR MOTOR VEHICLE PLANT, ZAPOROZHE, U.S.S.R. A 4-PLACE MILITARY PASSENGER-CARGO VEHICLE BASED ON THE "ZAPOROZHETS" PASSENGER AUTO-MOBILE, THE 2-DOOR OPEN CAB OF THE ZAZ-969 IS EQUIPPED WITH A REMOVABLE CANVAS TOP AND SIDE CURTAINS. A FOLD-DOWN WINDSHIELD PROVIDES A LOW SILHOUETTE.

(U)THE PROTOTYPE IS POWERED BY A V-4, 4-CYCLE, GASOLINE ENGINE. THE POWERTRAIN, CONSISTING OF ENGINE, CLUTCH, TRANSMISSION, AND FRONT-AXLE DRIVE, IS INSTALLED AS AN INTEGRAL UNIT IN THE FRONT. THE CRANKCASE IS SECURED TO A SPECIAL ATTACHMENT IN WHICH IS MOUNTED A SINGLE-SPEED TRANSFER CASE, PROVIDING LOW RANGE AND REAR-AXLE DRIVE.

(U)THE TRUCK'S CLUTCH, TRANSMISSION, AND FINAL DRIVES WITH THEIR DIFFERENTIALS, AND THE STEERING SYSTEM AND BRAKES HAVE BEEN STANDARDIZED PART-FOR-PART WITH THOSE OF THE "ZAPOROZHETS" PASSENGER CAR.

(U)TWO LIGHTWEIGHT RAMP PANELS, STANDARD EQUIPMENT ON THE ZAZ-969, MAKE IT POSSIBLE FOR THE VEHICLE TO CROSS DITCHES, TRENCHES, AND SIMILAR OBSTACLES.

(U)PRODUCTION OF THE ZAZ-969 WAS SCHEDULED TO BE TRANSFERRED TO THE LUTSK MACHINE BUILDING PLANT IN 1967. EARLY MODELS DID NOT HAVE ALL-WHEEL DRIVES. CURRENT STATUS OF THIS VEHICLE IS UNKNOWN.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-96-A

NOMEN: TRUCK, UTILITY, 1/2 TON, 4 X 4, ZAZ-969

PRODUCED/ADOPTED: 1966 TO ?/

CATALOG: TB-381-5-22
 (OLD 2-2320-4-96)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 825
 -PAYLOAD OFF HWY ----- 7
 -PAYLOAD ON HWY ----- 400
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 1220
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 310
 -EMPTY REAR ----- 310
 -LOADED FRONT OFF HWY -- 7
 -LOADED REAR OFF HWY -- 7
 -LOADED FRONT ON HWY -- 620
 -LOADED REAR ON HWY -- 600

PERSONNEL LOAD (NR) ----- #1

MAX TOWED LOAD (KG)-

-OFF HWY ----- 2
 -ON HWY ----- 300

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 3200
 WIDTH O'ALL ----- 1620
 HEIGHT O'ALL ----- 1800
 CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 1800

GROUND CLEARANCE ----- 300

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 58

TURNING RADIUS (MM) ----- 3000

FORDING DEPTH (MM) ----- 450

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 8 LITERS
 -WATER (L/HK) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 397
 -WATER ----- N/A

MAX SPEED (KM/HK) LOADED -

-ROAD ----- 75
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- MEMZ-965
 TYPE ----- V-4, 4 CYCLE
 MAX HP AT RPM ----- 23 AT 4000
 MAX TORQUE (KGM) ----- 4.5 AT 2200-2500
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 66
 STROKE (MM) ----- 55
 DISPLACEMENT (LITERS) .75

FOM NR ----- FOM-2805-2-1-17

GENERAL DATA:

TIRES-

-SIZE ----- 5.90 X 13
 -PLY ----- 4
 -TYPE ----- ?

-LOADED RADIUS (MM) - 292

-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 32
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECH REAR WHEELS

SUSPENSION SYSTEM-

-FRONT ----- TRANSVERSAL TORSION BAR
 -REAR ----- TRANSVERSAL TORSION BAR

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE -- 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- V
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24 (2 X 12 BATT)

WINCH-TYPE ----- MECHANICAL

-CAPACITY (KG) ----- 200

-CABLE LENGTH (MM) -- 100,000

REMARKS:

1/ 4 W/DRIVER, OR 2 PERSONS AND 250 MM
 OF CARGO

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDH-2320-2-4-96-B

NGMEN: TRUCK, UTILITY, 1/2 TON, 4 X 4, ZAZ-969

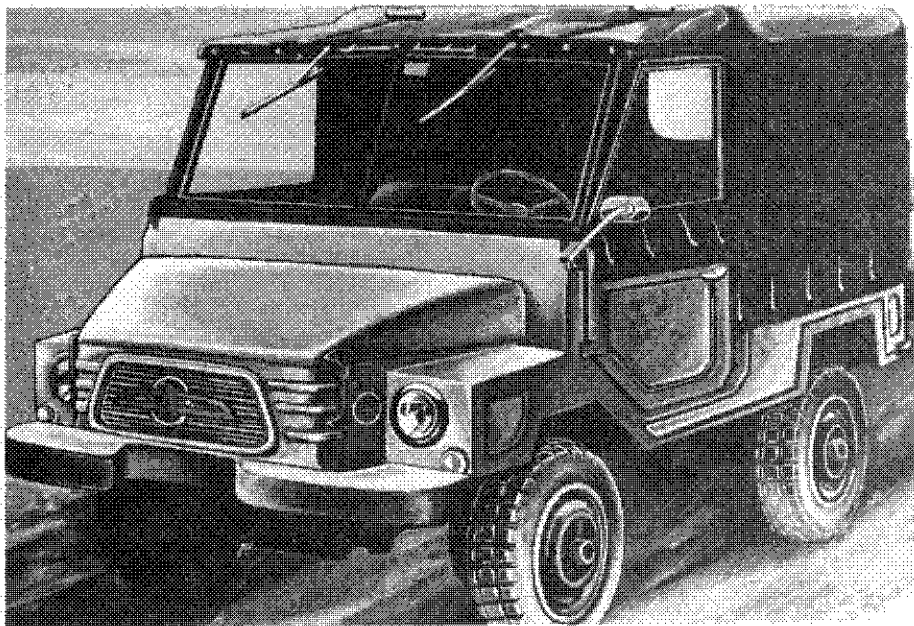
PRODUCED/ADOPTED: 1966 TO 77

CATALOG: TB-381-5-22

(OLD 2-2320-4-96)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2320-2-4-96-8

NOMEN: TRUCK, UTILITY, 1/2 TON, 4 X 4, ZAZ-969

PRODUCED/ADOPTED: 1966 TO ??

CATALOG: TB-381-5-22

ICD 2-2320-4-961

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-97-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 8 TON, 6X4, ZIL-133

(OLD 2-2320-4-97)

NATIVE DES: AVTOMOBILI ZIL-133

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: PROTOTYPE/

DATE UPDATED: 30AUG73

(U)THE ZIL-133 CARGO TRUCK, DESIGNED BY THE MOSCOW AUTOMOTIVE PLANT IMENI I. A. LIKHACHEV, IS BEING PREPARED FOR PRODUCTION. IT IS AN ENLARGED VERSION OF THE ZIL-130 (FOM-2320-2-4-58), 53% OF WHOSE PARTS AND SUBASSEMBLIES ARE TO BE USED IN THE NEW MODEL. THE ZIL-133 WILL USE A NEW ENGINE OF 220 HORSEPOWER--THE LARGEST GASOLINE ENGINE YET DEVELOPED IN THE U.S.S.R.

(U)THE NEW VEHICLE WILL BE THE FIRST TRUCK IN THE 8-TON PAYLOAD CLASS. THE SOVIETS APPEAR TO REGARD THE 8-TON PAYLOAD AS VERY USEFUL SINCE TWO OTHER MAJOR PLANTS IN THE COUNTRY ARE ALSO MAKING PLANS TO PRODUCE TRUCKS IN THIS CLASS.

(U)ALTHOUGH THE VEHICLE IS ROADBOUND, IT PROBABLY WILL BE USED EXTENSIVELY BY THE SOVIET ARMED SERVICES CHIEFLY AS A LOGISTIC CARRIER. NUMEROUS VERSIONS OF THIS TRUCK ARE TO BE PRODUCED -- DUMP TRUCKS, TRUCK TRACTORS, AND TANK TRUCKS -- AND ALL WILL UNDOUBTEDLY SERVE MILITARY REQUIREMENTS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-97-A
 NOMEN: TRUCK, CARGO, 3 TON, 6X4, ZIL-133

CATALOG: TB-381-5-22
 (OLD 2-2320-4-97)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: PROTOTYPE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 6200
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 8000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 14,200
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 2500
 -EMPTY REAR ----- 1850 (EA)
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 4,000
 -LOADED REAR ON HWY - 5100 (EA)
 PERSONNEL LOAD (NR) - 3 IN CAB 20 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 6000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 8070
 WIDTH O/ALL ----- 2500
 HEIGHT O/ALL ----- 2410
 CARGO SPACE-
 -LENGTH ----- 5100
 -WIDTH ----- 2326
 -HGT OF SIDES ----- 685
 TREAD, C TO C-
 -FRONT ----- 1800
 -REAR ----- 1790
 WHEELBASE ----- 4700
 GROUND CLEARANCE ----- 350
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL - N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 58
 TURNING RADIUS (MM) ----- 10000
 FORDING DEPTH (MM) ----- 1010
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 27
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 630
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 97
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ZIL-133
 TYPE ----- V-8 OHV
 MAX HP AT RPM ----- 220 @ 3600
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?
 FOM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 9.00 X 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 490
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 170
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- PNEUMATIC
 -PARKING TYPE ----- ?
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- INVERED SEMIELLIPTIC
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- ?
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 12
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

EQM-2320-2-4-97-6

NAME: TRUCK, CARGO, 8 TON, 6X4, ZIL-133

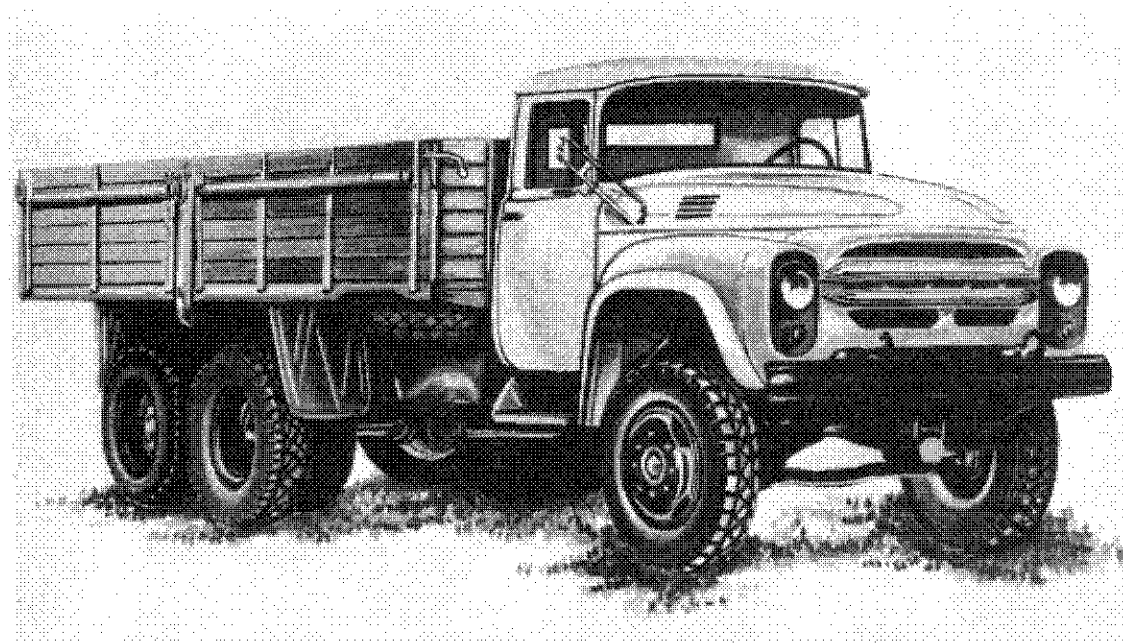
PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-S-22

(OLD 2-2320-4-97)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-97-B

NOMEN: TRUCK, CARGO, 8 TON, 6X4, ZIL-133

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22

(OLD 2-2320-4-97)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-98-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, DUMP, 27-TON, 4 X 2, BELAZ-540

(OLD 2-2320-4-98)

NATIVE DES: AVTOMOBIL SAMOSVAL BELAZ-540
PRODUCED/ADOPTED: 1965-DATE/

COUNTRY: U.S.S.R.
DATE UPDATED: 06SEP73

(THE BELAZ-540 DUMP TRUCK IS PRODUCED BY THE BELORUSSIAN MOTOR VEHICLE PLANT, ZHODINO, AND WAS DESIGNED FOR TRANSPORTING SOIL. IT IS REPLACING THE OLDER MAZ-525 DUMP TRUCK AND IS EQUIPPED WITH A LIGHTER CHASSIS, BUT CAN CARRY A LARGER PAYLOAD THAN THE MAZ-525. ALTHOUGH DESIGNED FOR USE ON HARD SURFACE ROADS RATHER THAN FOR CROSS-COUNTRY OPERATIONS, THE BELAZ-540 HAS HIGH ROAD CLEARANCE AND GOOD TRACTION THAT WOULD ALLOW LIMITED OPERATION OVER ROUGH TERRAIN. THE CAB DESIGN PROVIDES THE DRIVER-OPERATOR WITH GOOD VISION, AND THE DUMP BED IS EXHAUST-HEATED TO PREVENT SOIL FROM FREEZING DURING COLD WEATHER OPERATIONS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-98-A
 NOMEN: TRUCK, DUMP, 27-TON, 4 X 2, BELAZ-540

CATALOG: TB-381-5-22
 IOLD 2-2320-4-98J
 COUNTRY: U.S.S.R.
 DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1965-DATE/

PHYSICAL DATA:

WEIGHT (KGF)-

-CURB ----- 21,000
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 27,000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 48,000
 -GROSS, WATER ----- N/A
 AXLE LOAD (KGF)-
 -EMPTY FRONT ----- 10,145
 -EMPTY REAR ----- 10,855 ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 15,590
 -LOADED REAR ON HWY --- 32,410
 PERSONNEL LOAD (NR) ----- 1 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7200
 WIDTH O'ALL ----- 3480
 HEIGHT O'ALL ----- 3580
 CARGO SPACE-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?
 TREAD, C TO C-
 -FRONT ----- 2800
 -REAR ----- 2400
 WHEELBASE ----- 3550
 GROUND CLEARANCE ----- 475
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 8320
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 55
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- 58
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM)

ENGINE:

MODEL ----- D 12 A-375 B
 TYPE ----- V-12
 MAX HP AT RPM ----- MAX HP AT RPM - 375 AT 165
 MAX TORQUE (KGM) ----- 170 @ 1200
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 150
 STROKE (MM) ----- 180 LEFT BLOCK, 186.7 RIGH
 DISPLACEMENT (LITERS) 38.8

FOM NR ----- 2815-2-1-17

GENERAL DATA:

TIRES-

-SIZE ----- 18.00 X 25
 -PLY ----- 26
 -TYPE ----- BIAS
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 400
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- PNEUMATIC HYDRAULIC
 -REAR ----- PNEUMATIC HYDRAULIC

TRANSMISSION-

-TYPE ----- HYDRO MECHANICAL
 -NR SPEEDS FWD/RVSE - 3/1
 TRANSFER, NR SPEEDS --- ?
 LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- ?
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2320-2-4-98-8
NOMEN: TRUCK, DUMP, 27-TON, 4 X 2, BELAZ-540

PRODUCED/ADOPTED: 1969-DATE/

CATALOG: TB-381-5-22
ICLD 2-2320-4-981
COUNTRY: U.S.S.R.
DATE UPDATED: 06SEP73



DATE CATALOGED: 01MAR69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-98-B
NOMEN: TRUCK, DUMP, 27-TON, 4 X 2, BELAZ-540
PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-5-22
(GLO 2-2320-4-98)
COUNTRY: U.S.S.R.
DATE UPDATED: 06SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

EDM-2320-2-4-99-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, DUMP, 20 TON, 4X4, MOAZ-522

(OLD 2-2320-4-99)

NATIVE DES: AVTOMOBIL SAMOSVAL MOAZ-522

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1967-DATE/

DATE UPDATED: 30AUG73

(U)THE MOAZ-522 IS THE FIRST ALL-WHEEL-DRIVE DUMP TRUCK PRODUCED IN THE SOVIET UNION, AND IS CON-
STRUCTED MAINLY FROM STANDARDIZED PARTS AND UNITS THAT CAN ALSO BE UTILIZED ON OTHER VEHICLES. THE
ENGINE, FOR EXAMPLE, IS THE ONE USED IN THE MOAZ-542 WHEEL-TYPE TRACTOR. OPERATION OF ALL CONTROLS,
INCLUDING BRAKES, STEERING, AND TRANSMISSION, ARE ASSISTED BY MEANS OF AN AIR-HYDRAULIC POWER
SYSTEM. THE CAPACITY OF THE DUMP BODY IS 12 CUBIC YARDS, AND THE BED BOTTOM IS HEATED BY THE ENGINE
EXHAUST TO PREVENT SOIL FROM FREEZING TO IT. THIS TRUCK IS EQUIPPED WITH A REAR DIFFERENTIAL LOCK
THAT CAN BE DISENGAGED WHEN NOT NEEDED. THE ENGINE, WHICH IS FURNISHED WITH A PREHEATER, CAN BE
SUPERCHARGED TO DEVELOP 320 HORSEPOWER.

(U)THE MOAZ-522 IS PRODUCED BY THE SM KIROV LIFTING AND TRANSPORT EQUIPMENT FACTORY IN MOSCOW.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-99-A
 NOMEN: TRUCK, DUMP, 20 TON, 4X4, MDAZ-522

CATALOG: TB-381-5-22
 (OLD 2-2320-4-99)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1967-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 17,550
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 19,450
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 37,000
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 12,800
 -EMPTY REAR ----- 4750
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 17,800
 -LOADED REAR ON HWY -- 19,200

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8020
 WIDTH O'ALL ----- 3150
 HEIGHT O'ALL ----- 3290
 CARGO SPACE-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- 2410
 -REAR ----- 2410

WHEELBASE ----- 3500

GROUND CLEARANCE ----- 560

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 9480
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 50
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) -----

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- YAMZ-238
 TYPE ----- V-8
 MAX HP AT RPM ----- MAX HP AT RPM - 240 @ 2100
 MAX TORQUE (KGM) ----- 90 @ 1500
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 130
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 14.86

FOM NR ----- 2815-2-1-8

GENERAL DATA:

TIRES-

-SIZE ----- 26.50 X 25
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- AIR HYDRAULIC
 -PARKING TYPE ----- MECHANICAL ?

SUSPENSION SYSTEM-

-FRONT ----- HYDRAULIC
 -REAR ----- HYDRAULIC

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- ?

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

REMARKS:

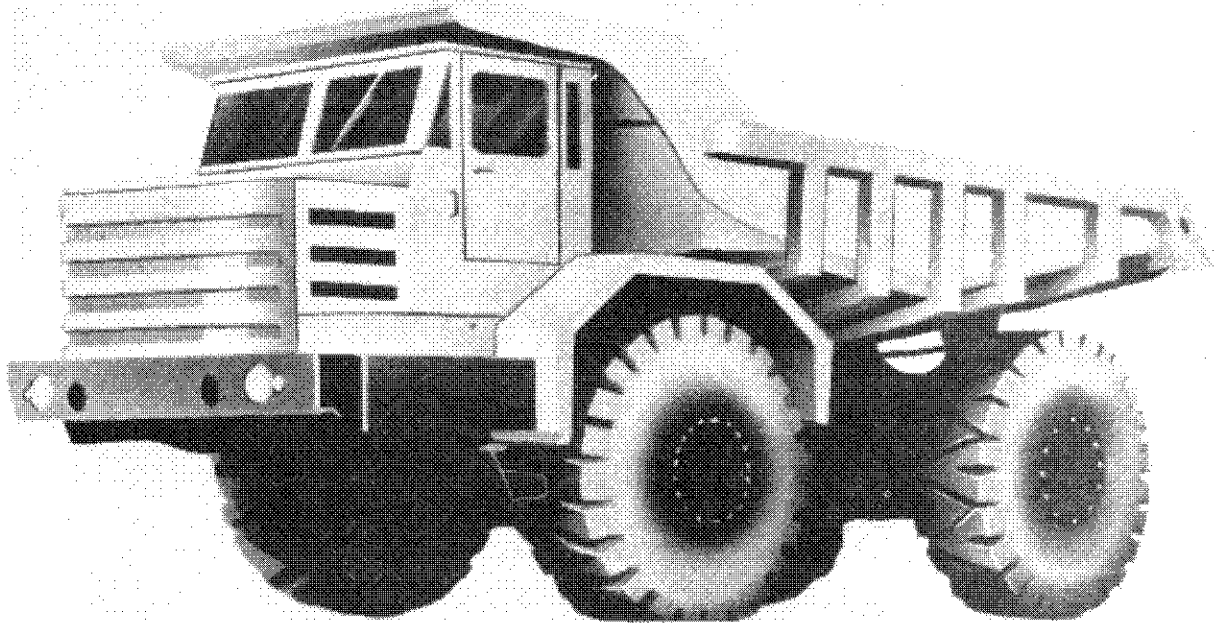
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-99-B
NOMEN: TRUCK, DUMP, 20 TON, 4X4, MUAZ-522
PRODUCED/ADGPTED: 1967-DATE/

CATALOG: TB-381-5-22
EOLD 2-2320-4-991
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-99-B
NOMEN: TRUCK, DUMP, 20 TON, 4X4, MOAZ-522

PRODUCED/ADOPTED: 1967-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-99)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-100-A

CATALOG: IR-391-5-22

NOMEN: TRUCK, TANK, & OIL 6X6, 2100 LITERS, VMZ-ZIL-151

(OLD 2-2320-4-100)

NATIVE DES: AETOR/OM/ACTOCAMPAKHE B/3-024-151
PRODUCED/ADOPTED: ??

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

(U)THE VMZ-ZIL-151 IS DESIGNED TO SERVICE VEHICLE ENGINES WITH HEATED WATER AND OIL TO FACILITATE THEIR STARTING IN COLD WEATHER. ALSO, THE TRUCK IS USED FOR TEMPORARY STORAGE OF WATER AND OIL HEATED BY AN INTERNAL BOILER, WITH BURNERS FIRED BY DIESEL FUEL OR GASOLINE.

(U)THE TANK BODY, MOUNTED ON A ZIL-151 (OR ZIL-157) TRUCK CHASSIS, IS EQUIPPED WITH AN INSIDE BOILER AND IS DIVIDED INTO TWO COMPARTMENTS--ONE FOR WATER (1400 LITERS) AND ONE FOR OIL (700 LITERS). EACH COMPARTMENT IS TOPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY. A CABINET IN THE REAR OF THE TANK BODY HOUSES A FUEL FILTER, A METER, CONTROL VALVES, AND TWO PUMPS--ONE FOR WATER AND ONE FOR OIL. COMPARTMENTS ON THE SIDE OF THE TANK BODY HOUSE FOUR SUCTION HOSES AND FOUR DELIVERY HOSES.

(U)THE VMZ-ZIL-151 CAN DELIVER 284 LITERS OF OIL AND 170 LITERS OF WATER PER MINUTE AT A TEMPERATURE OF 80 DEG C WHEN USING BOTH PUMPS AND TWO DELIVERY HOSES FOR EACH PUMP. WHEN USING BOTH PUMPS AND ONE DELIVERY HOSE FOR EACH PUMP, THE TRUCK CAN DELIVER 170 LITERS OF OIL AND 121 LITERS OF WATER PER MINUTE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-100-A
 NOMEN: TRUCK, TANK, & OIL 6X6, 2100 LITERS, VMZ-ZIL-151

CATALOG: TB-381-5-22
 (OLO 2-2320-4-100)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ??

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 7625
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 2295
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 9920
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?
 PERSONNEL LOAD (NR) ----- 3 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7000
 WIDTH O'ALL ----- 2290
 HEIGHT O'ALL ----- 2530
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 4220
 GROUND CLEARANCE ----- 264
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 11,000
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 45
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 413 MILES
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 64
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ SELF-PRIMING TURBINE (WATER); ROTARY (OIL)
 2/ SYN-80 (WATER); RZ-30 (OIL)
 3/ 17Q (OIL), 121 (WATER)

ENGINE:

MODEL ----- ZIL-121
 TYPE ----- 6 IN-LINE, L HEAD
 MAX HP AT RPM ----- 92 @ 2600
 MAX TORQUE (KGM) ----- 31 @ 1200-1300
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 101.6
 STROKE (MM) ----- 114.3
 DISPLACEMENT (LITERS) 5.55

FOM NR ----- 2805-2-1-11

GENERAL DATA:

TIRES-
 -SIZE ----- 8.25 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 150
 -AUX TANK ----- 150
 BRAKES-
 -PRIMARY TYPE ----- AIR, ALL WHEELS
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLPTIC SPRINGS
 -REAR ----- SEMIELLPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL, SYNCHRONIZED
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) --- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 2
 LG X WD X HGT (MM)- ? X ? X ?
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 2100

PUMP:

TYPE ----- *1
 MODEL ----- *2
 SPEED RPM ----- ?
 CAPACITY (LITERS P/MIN) ---- *3

HOSES:

SUCTION HOSE LENGTH (M) ----- 4 @ 3 EA
 -DIAMETER (MM) ----- 65
 DELIVERY HOSE LENGTH (M) ----- 4 @ 9 EA
 -DIAMETER (MM) ----- 25
 AUX DELIVERY HOSE LGTH (M) --- N/A
 -DIAMETER (MM) ----- N/A

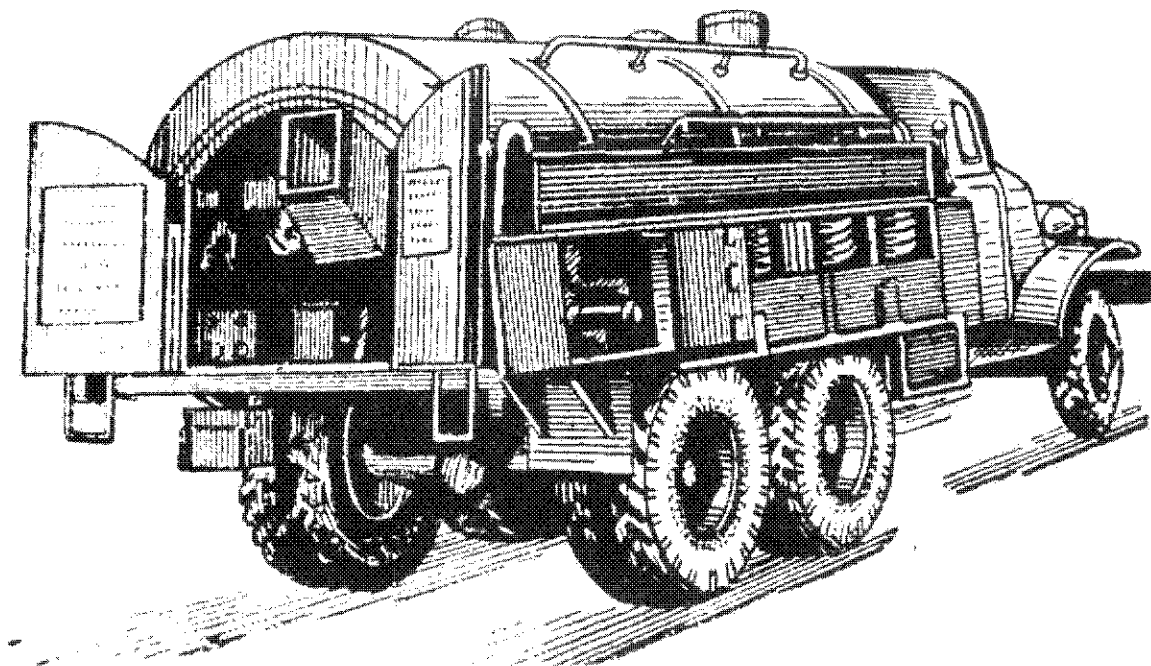
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-100-8
NOMEN: TRUCK, TANK, & OIL 6X6, 2100 LITERS, VNZ-ZIL-151
PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22
(OLD 2-2320-4-100)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-100-B

NOMEN: TRUCK, TANK, 6 OIL 6X6, 2100 LITERS, VMZ-ZIL-151

PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22

(OLD 2-2320-4-100)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FOM-2320-2-4-101-A

U N C L A S S I F I E D

CATALOG: T6-381-5-22

NOMEN: TRUCK, DUMP, 7 TON, 4 X 2, MODEL MAZ-503

(OLD 2-2320-4-101)

NATIVE DES: АВТОМОБИЛЬ-САМОСВАЛ MA3-503
PRODUCED/ADOPTED: 1966-DATE/

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE MAZ-503 DUMP TRUCK, REPLACEMENT FOR THE MAZ-205 (FOM-2320-2-4-45), IS EQUIPPED WITH A REAR-DUMP BODY, AVAILABLE IN EITHER THE STANDARD TAILGATE MODEL OR THE HOPPER BODY STYLE. IT FEATURES A CAB-OVER-ENGINE DESIGN (CAB TILTS FORWARD FOR ENGINE ACCESSIBILITY). ALTHOUGH NOT EQUIPPED WITH ALL-WHEEL DRIVE, THIS TRUCK IS USED BY THE SOVIET ARMED FORCES AND MANY OF THE OTHER WARSAW PACT COUNTRIES.

(U)THIS VEHICLE IS MANUFACTURED IN THE MINSK AUTOMOTIVE PLANT.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-101-A
 NOMEN: TRUCK, DUMP, 7 TON, 4 X 2, MODEL MAZ-503

CATALOG: TB-381-5-22
 (OLO 2-2320-4-101)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1966-DATE/

PHYSICAL DATA:

WEIGHT (KG):-

-CURB ----- 6800
 -PAYLOAD OFF HWY ----- 2
 -PAYLOAD ON HWY ----- 8000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 14,800
 -GROSS, WATER ----- N/A

AXLE LOAD (KG):-

-EMPTY FRONT ----- 3260 ?
 -EMPTY REAR ----- 3540 ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG):-

-OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG):-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5785
 WIDTH O'ALL ----- 2650
 HEIGHT O'ALL ----- 2640
 CARGO SPACE-
 -LENGTH ----- 3290
 -WIDTH ----- 2260
 -HGT OF SIDES ----- 670
 TREAD, C TO C-
 -FRONT ----- 1950
 -REAR ----- 1900
 WHEELBASE ----- 3200
 GROUND CLEARANCE ----- 295
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 7000
 FORDING DEPTH (MM) ----- ?
 FUEL CONS., LOADED -
 -ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 60
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ----
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- YAMZ-236
 TYPE ----- V-6
 MAX HP AT RPM ----- MAX HP AT RPM - 180 AT 210
 MAX TORQUE (KGM) ---- MAX TORQUE AT RPM (KGM) 67
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 130
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 11.15

FOM NR ----- FOM-2015-2-1-10

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- AIR ?
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLPTIC
 -REAR ----- SEMIELLPTIC

TRANSMISSION-

-TYPE ----- MANUEL

-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24 (2 X 12 BATT)

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) --- N/A

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2320-2-4-101-8

NOMEN: TRUCK: DUMP: 7 TON: 4 X 2: MODEL MAZ-503

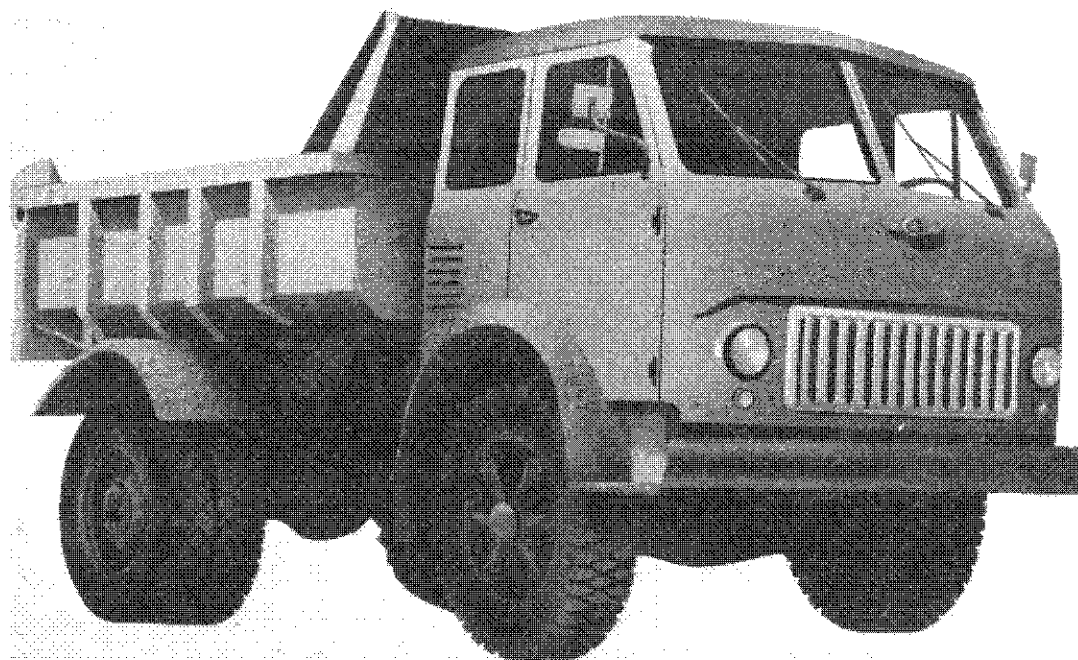
PRODUCED/ADOPTED: 1966-DATE/

CATALOG: TB-381-5-22

(OLD 2-2320-4-101)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-101-B

NOMEN: TRUCK, DUMP, 7 TON, 4 X 2, MODEL MAZ-503

PRODUCED/ADOPTED: 1966-DATE/

CATALOG: TB-381-5-22

(OLD 2-2320-4-101)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FOM-2320-2-4-102-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK, POL, TRANSFER-PUMP STATION, 4X2, PSG-65/130

(OLD 2-2320-4-102)

NATIVE DES: ПЕРЕКАЧИВАЮЩАЯ СТАНЦИЯ ПСТ-65/130
PRODUCED/ADOPTED: 1951 TO ??

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE PSG-65/130 TRANSFER-PUMP STATION IS DESIGNED FOR PUMPING FUEL THROUGH PORTABLE PIPE LINES IN THE FIELD, AND TO EMPTY OR FILL TANK CARS, TANK TRUCKS, PORTABLE TANKS, OR LARGE CONTAINERS. THE PUMPING ASSEMBLY CONSISTS OF A 2-STAGE TSSP-51 OR A 2-STAGE TSSP-57 (LATER MODEL) CENTRIFUGAL SELF-PRIMING PUMP; ALSO FOUR SUCTION HOSES AND FOUR DELIVERY HOSES. THE PUMP ASSEMBLY IS MOUNTED ON A GAZ-51 TRUCK AND IS POWERED BY THE VEHICLE'S ENGINE.

(U)THE PUMP, WHEN USED IN SERIES COUPLING, DELIVERS 65,000 LITERS OF FUEL PER HOUR AT A MAXIMUM HEAD (90 METERS); WHEN USED IN PARALLEL COUPLING, IT DELIVERS 130,000 LITERS OF FUEL PER HOUR AT ONE-HALF MAXIMUM HEAD (45 METERS).

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U N C L A S S I F I E D

FOM-2320-2-4-102-A

NOMEN: TRUCK, POL, TRANSFER-PUMP STATION, 4X2, PSG-65/130

CATALOG: TB-381-5-22
 (OLD 2-2320-4-102)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1951 TO ??

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- ?
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 4830
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY -- ?

PERSONNEL LOAD (NR) ----- 2 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5670
 WIDTH O/ALL ----- 2200
 HEIGHT O/ALL ----- 2300
 CARGO SPACE-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 3300
 GROUND CLEARANCE ----- 245
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 26
 TURNING RADIUS (MM) ----- 7600
 FORDING DEPTH (MM) ----- 640
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 48
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) ---- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ 2 STAGE, -SELF-PRIMING, CENTRIFUGAL

ENGINE:

MODEL ----- GAZ-51
 TYPE ----- 6 IN-LINE, L-HEAD
 MAX HP AT RPM ----- 70 AT 2800
 MAX TORQUE (KGM) ----- 20.5 @ 1600
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 82
 STROKE (MM) ----- 110
 DISPLACEMENT (LITERS) 3.48

FOM NR ----- FOM-2805-2-1-9

GENERAL DATA:

TIRES-

-SIZE ----- 7.50 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 106
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC
 -REAR ----- SEMIELLIPTIC

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- N/A
 NR COMPARTMENTS --- N/A
 LG X WD X HGT (MM) - N/A
 WEIGHT-EMPTY (KG) - N/A
 CAPACITY (LITERS) - N/A

PUMP:

TYPE ----- #1
 MODEL ----- TSSP-51 OR TSSP-57
 SPEED RPM ----- 2500 TO 2600
 CAPACITY (LITERS P/MIN) ----- 1083 LITERS

HOSES:

SUCTION HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- 100
 DELIVERY HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- 100
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-102-B

NOMEN: TRUCK, POL, TRANSFER-PUMP STATION, 4X2, PSG-65/130

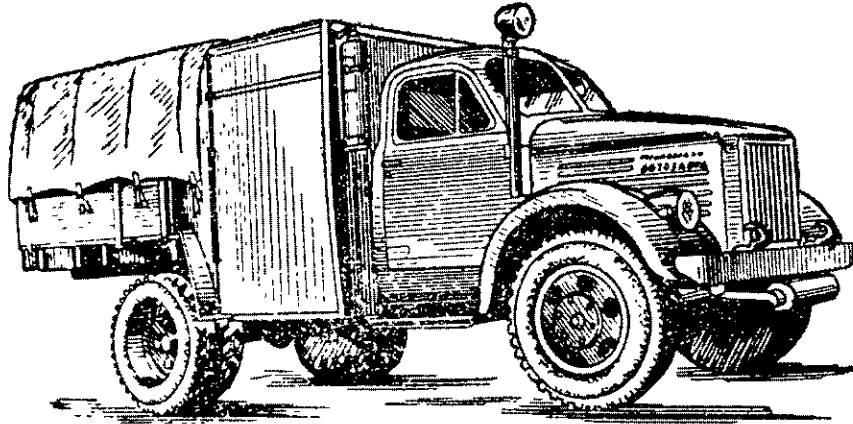
PRODUCED/ADOPTED: 1951 TO 77

CATALOG: TB-381-5-22

(OLD 2-2320-4-102)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-102-B
NOMEN: TRUCK, POL, TRANSFER-PUMP STATION, 4X2, PSG-65/130
PRODUCED/ADOPTED: 1951 TO ??

CATALOG: TB-381-5-22
(OLD 2-2320-4-102)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FOM-2320-2-4-103-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 8 TON, 6X6, KRAZ-255B

(OLD 2-2320-4-103)

NATIVE DES: AVTOMOBILI KRAZ-255B

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1967-DATE/

DATE UPDATED: 30AUG73

(U)THE KREMENCHUG MOTOR VEHICLE PLANT PRODUCES THE KRAZ-255B ALL-WHEEL-DRIVE CARGO TRUCK TO REPLACE THE OLDER KRAZ-214B, WHICH IT RESEMBLES. THE KRAZ-255B USES A 265-HORSEPOWER, V-8 DIESEL ENGINE, A STEERING SYSTEM WITH HYDRAULIC ASSIST, AND A CAB-CONTROLLED TIRE-INFLATION SYSTEM THAT INCREASES ITS CROSS-COUNTRY CAPABILITY OVER THAT OF THE KRAZ-214B.

(U)PRIMARILY DESIGNED AS A CARGO TRUCK, THE KRAZ-255B CAN ALSO BE USED AS A PRIME MOVER FOR TOWING A TANK-TRANSPORTER TRAILER. IT WILL PROBABLY REPLACE THE KRAZ-214B AS THE STANDARD CARRIER FOR THE SOVIET PMP PONTON BRIDGE AND FOR THE 280-MM, SIX-ROUND ROCKET LAUNCHER.

(U)THE LOAD ON THE TRUCK PLATFORM SHOULD BE AT LEAST 6000 KILOGRAMS TO PROVIDE BALLAST WHEN THE TRUCK IS TOWING A LOADED TRAILER.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-103-A
NOMEN: TRUCK, CARGO, 8 TON, 6X6, KRAZ-255B

CATALOG: TB-381-5-22
(OLD 2-2320-4-103)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1967-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 11,950
-PAYLOAD OFF HWY ----- 7,500
-PAYLOAD ON HWY ----- 7,500
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- 19,675
-GROSS ON HWY ----- 19,675
-GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 5220
-EMPTY REAR ----- 6730
-LOADED FRONT OFF HWY - 5450
-LOADED REAR OFF HWY - 14225
-LOADED FRONT ON HWY - 5450
-LOADED REAR ON HWY - 14225

PERSONNEL LOAD (NR) ----- 3 IN CAB; 16 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- 10,000
-ON HWY ----- 50,000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 8645
WIDTH O/ALL ----- 2750
HEIGHT O/ALL ----- 2940
CARGO SPACE-

-LENGTH ----- 4565
-WIDTH ----- 2500
-HGT OF SIDES ----- 370

TREAD, C TO C-

-FRONT ----- 2160
-REAR ----- 2160

WHEELBASE ----- 5300

GROUND CLEARANCE ----- 360

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 57.7 IN 1ST GEAR

TURNING RADIUS (MM) ----- 14,000

FORDING DEPTH (MM) ----- 1000

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 40
-WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 850
-WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 70
-WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- 48

ANGLE OF DEPARTURE (DEG) --- 32

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- YAMZ-238
TYPE ----- V-8 4 CYCLE OHV
MAX HP AT RPM ----- 240 AT 2100
MAX TORQUE (KGM) ----- 90 AT 1500
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 130
STROKE (MM) ----- 140
DISPLACEMENT (LITERS) 14.86

FOM NR ----- 2815-2-1-8

GENERAL DATA:

TIRES-

-SIZE ----- 15.00 X 20

-PLY ----- ?

-TYPE ----- ?

-LOADED RADIUS (MM) - ?

-INFLATION SYSTEM --- CAB CONTROLLED

FUEL CAP (LITERS)-

-MAIN TANK ----- 165

-AUX TANK ----- 165

BRAKES-

-PRIMARY TYPE ----- AIR

-PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- #1

-REAR ----- #2

TRANSMISSION-

-TYPE ----- YAMZ-236C

-NR SPEEDS FWD/RVSE - #3

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?

-AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24 (TWO 12 BATT)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

1/ LONGITUDINAL SEMIELLIPTIC SPRINGS

2/ LONGITUDINAL SEMIELLIPTIC SPRINGS

3/ 5/1 (2D, 3D, 4TH, & 5TH SYNCROMESH)

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-103-8

NOMEN: TRUCK, CARGO, 8 TON, 6X6, KRAZ-255B

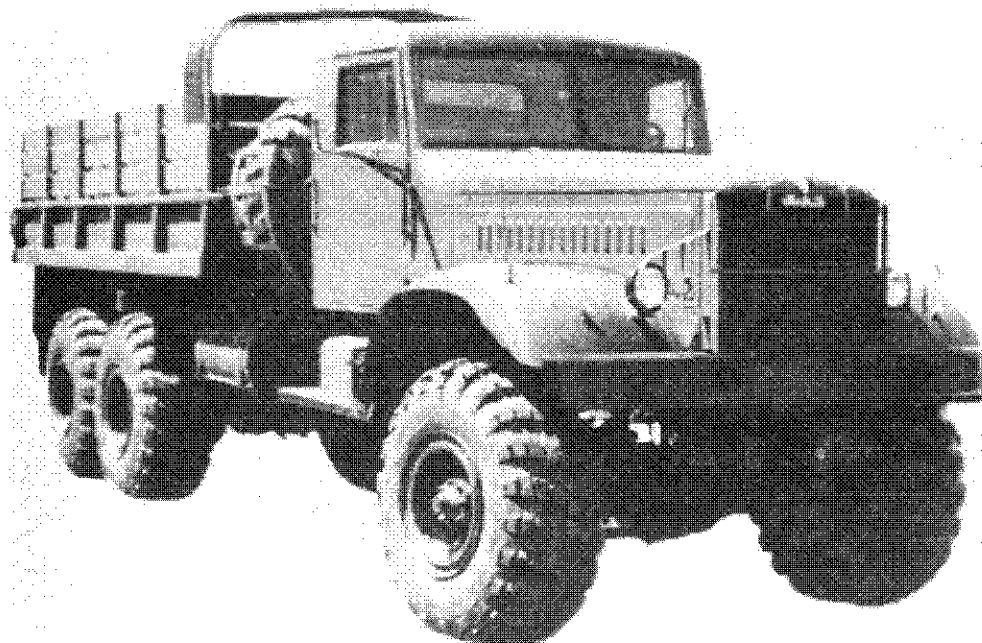
PRODUCED/ADOPTED: 1967-DATE/

CATALOG: TB-381-5-22

IDLD: 2-2320-4-1031

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-103-B

NOMEN: TRUCK, CARGO, 8 TON, 6X6, KRAZ-255B

PRODUCED/ADOPTED: 1967-DATE/

CATALOG: TB-381-5-22

(OLD 2-2320-4-103)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FOM-2320-2-4-104-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK, POL, TRANSFER-PUMP STATION 4X2, PSG-160

(OLD 2-2320-4-104)

NATIVE DES: ПЕРЕКАЧИВАЮЩАЯ СТАНЦИЯ ПСГ-160
PRODUCED/ADOPTED: ??

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE PSG-160 TRANSFER-PUMP STATION IS A SPECIAL VEHICLE USED TO EMPTY OR FILL TANK CARS, TANK TRUCKS, DEPOT STORAGE TANKS, AND ALSO FOR PUMPING FUEL THROUGH PORTABLE PIPELINES.

(U)THE PUMPING ASSEMBLY, MOUNTED ON A ZIL-130 TRUCK, CONSISTS OF A 2-STAGE 6NGM-7 X 2 CENTRIFUGAL PUMP, TWO SUCTION HOSES, AND TWO DELIVERY HOSES. THE PUMP, INCLUDING ACCESSORIES, CONTROL-MEASURING INSTRUMENTS, THE POWER TAKE-OFF HOUSING, AND CONTROL LEVERS, IS HOUSED IN A COMPARTMENT BEHIND THE OPERATOR'S CAB. THE PUMP CAN DELIVER 160,000 LITERS OF FUEL PER HOUR AT 150 MTR. OF HEAD.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-104-A
 NOMEN: TRUCK, POL, TRANSFER-PUMP STATION 4X2, PSG-160

CATALOG: TB-381-5-22
 (OLD 2-2320-4-104)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ??

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- ?
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 5800
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY ----- ?
 -LOADED REAR OFF HWY ----- ?
 -LOADED FRONT ON HWY ----- ?
 -LOADED REAR ON HWY ----- ?

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
 -ON HWY ----- N/A

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6550
 WIDTH O/ALL ----- 2400
 HEIGHT O/ALL ----- 2690
 CARGO SPACE-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 3810

GROUND CLEARANCE ----- 275

PINTLE HEIGHT ----- N/A

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?

TURNING RADIUS (MM) ----- 8500

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 48
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- ?

ANGLE OF DEPARTURE (DEG) ----- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ZIL-130
 TYPE ----- V-8 OHV
 MAX HP AT RPM ----- 150 AT 3200
 MAX TORQUE (KGM) ----- 41 @ 1600
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 100
 STROKE (MM) ----- 95
 DISPLACEMENT (LITERS) 6

FOM NR ----- FOM-2805-2-1-12

GENERAL DATA:

TIRES-

-SIZE ----- 9.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 170
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC, AIR ASS'T
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- N/A

NR COMPARTMENTS --- N/A

LG X WD X HGT (MM) - N/A

WEIGHT-EMPTY (KG) - N/A

CAPACITY (LITERS) - N/A

PUMP:

TYPE ----- *1
 MODEL ----- 6NGM-7X2
 SPEED RPM ----- 2900
 CAPACITY (LITERS P/MIN) ----- 2667

HOSES:

SUCTION HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- 4
 DELIVERY HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- 4
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

REMARKS:

1/ 2 STAGE CENTRIFUGAL

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-104-B

NOMEN: TRUCK, POL, TRANSFER-PUMP STATION 4X2, PSG-160

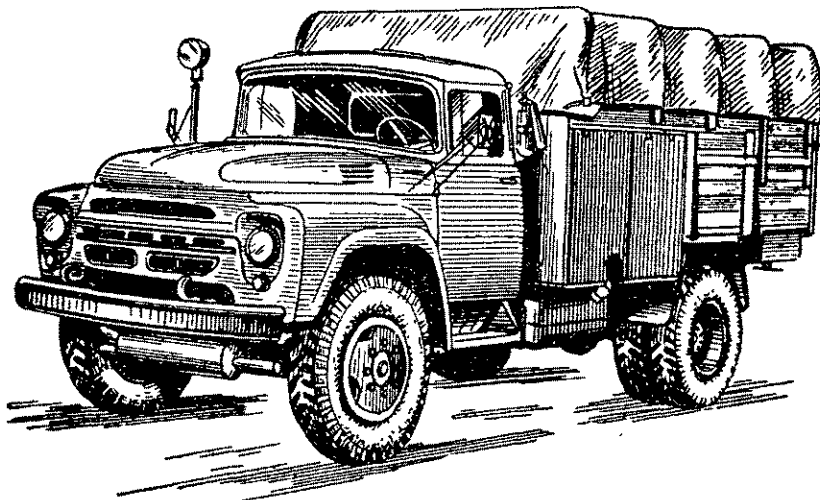
PRODUCED/ADOPTED: ?/

CATALOG: TB-381-5-22

(OLD 2-2320-4-104)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-2-4-104-B

NOMEN: TRUCK, POL, TRANSFER-PUMP STATION 4X2, PSG-160

PRODUCED/ADOPTED: ??

CATALOG: TS-381-5-22

(OLD 2-2320-4-104)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FOM-2320-2-4-105-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X2, GAZ-SAZ 53B

(OLD 2-2320-4-105)

NATIVE DES: AVTOMOBILI GAZ-SAZ 53B
PRODUCED/ADOPTED: 1968-DATE/

COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

{U}THE GAZ-SAZ-53B WENT INTO PRODUCTION IN 1968 AT THE SARANSK TIP-END MOTOR VEHICLE WORKS (SAZ). THE GAZ-SAZ, A MODIFICATION OF THE GAZ-53A CARGO TRUCK (FOM-2320-2-4-87), WAS DESIGNED FOR VARIOUS TYPES OF BULKY CARGO; IT IS EQUIPPED WITH AN ALL-METAL, LARGE VOLUME, BODY WHICH HAS THREE HYDRAULICALLY OPERATED DROP SIDES CONTROLLED FROM THE DRIVER'S CAB.

{U}THE NEW TRUCK, POWERED BY A ZMZ-53A, WATER-COOLED, GASOLINE ENGINE, DEVELOPS 115 HORSEPOWER. THE HYDRO-VAC SERVICE BRAKES ON ALL WHEELS HAVE BEEN IMPROVED, THUS INCREASING THEIR EFFECTIVENESS OVER EARLIER MODELS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-105-A
 NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X2, GAZ-SAZ 53B

CATALOG: TB-381-5-22
 (OLD 2-2320-4-1051)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1968-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 3750
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 3500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 7250
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1800
 -EMPTY REAR ----- 1950
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 2035
 -LOADED REAR ON HWY --- 5200

PERSONNEL LOAD (NR) ----- 2 IN CAB; 14 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 4,000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6370
 WIDTH O/ALL ----- 2770
 HEIGHT O/ALL ----- 2230
 CARGO SPACE-

-LENGTH ----- 3750
 -WIDTH ----- 2160
 -HGT OF SIDES ----- 670

TREAD, C TO C-

-FRONT ----- 1707
 -REAR ----- 1689

WHEELBASE ----- 3700

GROUND CLEARANCE ----- 264

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 8900
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 24
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 370
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 85
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ZMZ-53A
 TYPE ----- V-8, 4 CYCLE
 MAX HP AT RPM ----- 115 AT 3200
 MAX TORQUE (KGM) ----- 29 AT 2000-2500
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 92
 STROKE (MM) ----- 80
 DISPLACEMENT (LITERS) 4.25

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 8.25 X 20
 -PLY ----- 10
 -TYPE ----- ?

-LOADED RADIUS (MM) - 460

-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 90
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- *1

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24 (TWO 12 BATT)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

1/ SEMIELLIPTIC SPRINGS W/OVERLOAD SPRINGS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2320-2-4-105-B

NGMEN: TRUCK, CARGO, 3 1/2 TON, 4X2, GAZ-SAZ 53B

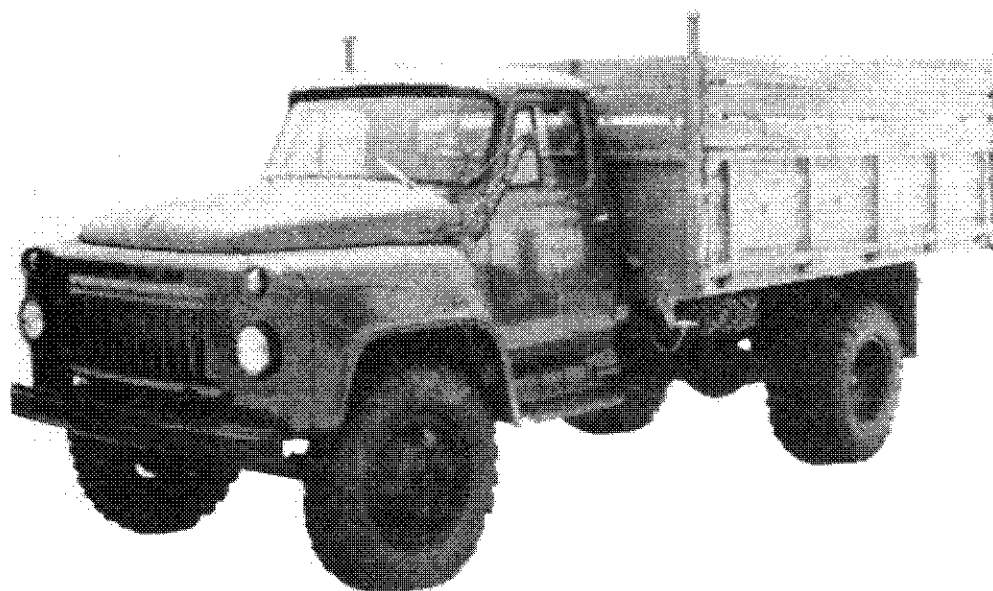
PRODUCED/ADOPTED: 1968-DATE/

CATALOG: T8-381-5-22

(OLD 2-2320-4-105)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73



DATE CATALOGED: 01DEC69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-105-B

NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X2, GAZ-SAZ 53B

PRODUCED/ADOPTED: 1968-DATE/

CATALOG: TB-381-5-22

(OLD 2-2320-4-105)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-106-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 24-TON, 6X6, NAMI-076 "YERMAK"

(OLD 2-2320-4-106)

NATIVE DES: AVTOMOBILI NAMI-076 "YERMAK"
PRODUCED/ADOPTED: PROTOTYPE/

COUNTRY: U.S.S.R.
DATE UPDATED: 06SEP73

(U)THE SCIENTIFIC RESEARCH MOTOR VEHICLE AND MOTOR VEHICLE ENGINE INSTITUTE (NAMI) DESIGNED AN EXPERIMENTAL PROTOTYPE OF A CROSS-COUNTRY VEHICLE (NAMI-076) FOR USE OVER ALL KINDS OF TERRAIN AND UNDER ALL CLIMATIC CONDITIONS. KNOWN AS "YERMAK", IT IS EQUIPPED WITH A 320-HORSEPOWER DIESEL ENGINE AND HAS A PAYLOAD CAPACITY OF 25 TONS. ITS DRIVER'S COMPARTMENT IS LARGE ENOUGH FOR THREE PERSONS, INCLUDING THE DRIVER, AND IS EQUIPPED WITH A 200-LITER EMERGENCY WATER TANK AND TWO-WAY RADIO. AIR CONDITIONING IN THE CAB ENABLES THE VEHICLE TO BE OPERATED EITHER IN THE ARCTIC OR IN A TROPICAL ENVIRONMENT. EACH OF ITS LARGE WHEELS IS EQUIPPED WITH AN INDEPENDENT DRIVE, AND A CAB-CONTROLLED TIRE INFLATION SYSTEM REGULATES THE PRESSURE IN THE TIRES. THE TRADITIONAL GEARSHIFT LEVER IS MISSING; CONTROL IS BY PUSH-BUTTONS, AND A SERVO MECHANISM MAKES STEERING EASY.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-106-A

NOMEN: TRUCK, CARGO, 24-TON, 6X6, NAMI-076 "YERMAK"

CATALOG: TB-381-5-22
 (OLD 2-2320-4-106)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: PROTOTYPE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 19,000
 -PAYLOAD OFF HWY ----- 25,000
 -PAYLOAD ON HWY ----- 25,000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 44,000
 -GROSS ON HWY ----- 44,000
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 7600
 -EMPTY REAR ----- 11,400
 -LOADED FRONT OFF HWY - 14,100
 -LOADED REAR OFF HWY -- 29900
 -LOADED FRONT ON HWY -- 14,100
 -LOADED REAR ON HWY -- 29900

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- 45,000
 -ON HWY ----- 45,000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 15,000
 WIDTH O/ALL ----- ?
 HEIGHT O/ALL ----- 3000

CARGO SPACE-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- ?

GROUND CLEARANCE ----- ?

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?

TURNING RADIUS (MM) ----- ?

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 65
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- *1
 TYPE ----- ?
 MAX HP AT RPM ----- 320 AT 2000
 MAX TORQUE (KGM) ---- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 130
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 14.86

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- ?
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- CAB CONTROLLED

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- AIR
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- ?
 -REAR ----- ?

TRANSMISSION-

-TYPE ----- ?
 -NR SPEEDS FWD/RVSE - ?

TRANSFER, NR SPEEDS --- ?

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12 (2 X 12 BATT)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ YAMZ-238N, V-8, SUPER CHARGED?

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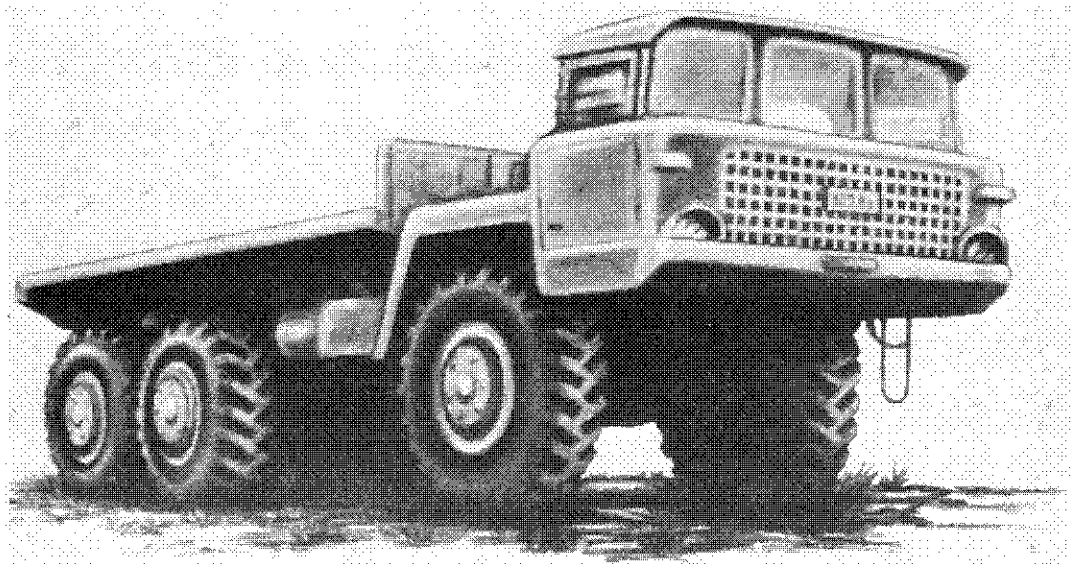
U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-106-B
NOMEN: TRUCK, CARGO, 24-TON, 6X6, NAMI-076 "YERMAK"

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-106)
COUNTRY: U.S.S.R.
DATE UPDATED: 06SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-106-B
NOMEN: TRUCK, CARGO, 24-TON, 6X6, NAM1-076 "YERMAK"
PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-106)
COUNTRY: U.S.S.R.
DATE UPDATED: 06SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-107-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, POL, 4X4, 1965 LITERS, TZ-63

(OLD 2-2320-4-107)

NATIVE DES: АВТОМОБИЛЬ ЗАПРАВЩИК ТЗ-63
PRODUCED/ADOPTED: ??

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE TZ-63 FUEL SERVICE TRUCK IS DESIGNED TO TRANSPORT LIQUID POL PRODUCTS AND TO SERVICE MOTOR VEHICLES WITH FILTERED FUEL. THE TANK BODY, MOUNTED ON A GAZ-63 TRUCK CHASSIS, IS MADE OF STEEL AND IS EQUIPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP.

(U)THIS SERVICE TRUCK IS EQUIPPED WITH A FUEL FILTER, METER, LEVEL INDICATOR, CONTROL VALVES, THREE SUCTION HOSES, AND TWO DELIVERY HOSES. THESE HOSES ARE HOUSED IN COMPARTMENTS LOCATED ON EACH SIDE OF THE TANK BODY. THE PUMP, POWERED BY THE TRUCK'S TRANSMISSION, CAN DELIVER 250 LITERS OF FUEL PER MINUTE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-107-A

NOMEN: TRUCK, TANK, POL, 4X4, 1965 LITERS, TZ-63

CATALOG: T8-381-5-22
 (OLD 2-2320-4-107)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ?/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 3890
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 1710
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 5600
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY ----- ?
 -LOADED REAR OFF HWY ----- ?
 -LOADED FRONT ON HWY ----- ?
 -LOADED REAR ON HWY ----- ?
 PERSONNEL LOAD (NR) ----- 2 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5400
 WIDTH O/ALL ----- 2010
 HEIGHT O/ALL ----- 2270
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 3300
 GROUND CLEARANCE ----- ?
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL ----- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 8500
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 25
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 420
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 65
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ----- ?
 ANGLE OF DEPARTURE (DEG) ----- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

REMARKS:

ENGINE:

MODEL ----- GAZ-51
 TYPE ----- 6 IN-LINE L HEAD
 MAX HP AT RPM ----- 70 AT 2800
 MAX TORQUE (KGM) ----- 20.5 @ 1500-1700
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 82
 STROKE (MM) ----- 110
 DISPLACEMENT (LITERS) 3.48

FOM NR ----- FOM-2805-2-1-9

GENERAL DATA:

TIRES-
 -SIZE ----- 9.75 X 18
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 105
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPITIC SPRINGS
 -REAR ----- SEMIELLIPITIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUEL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 1
 LG X WD X HGT (MM)- ? X ? X ?
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 1965 LITERS

PUMP:

TYPE ----- SELF-PRIME TURBINE
 MODEL ----- SYN-80
 SPEED RPM ----- 1450 RPM
 CAPACITY (LITERS P/MIN) ----- 250

HOSES:

SUCTION HOSE LENGTH (M) ----- 3 AT 3 EA
 -DIAMETER (MM) ----- 65
 DELIVERY HOSE LENGTH (M) ----- 1 AT 10 1 AT 9
 -DIAMETER (MM) ----- 1 AT 38 1 AT 50
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

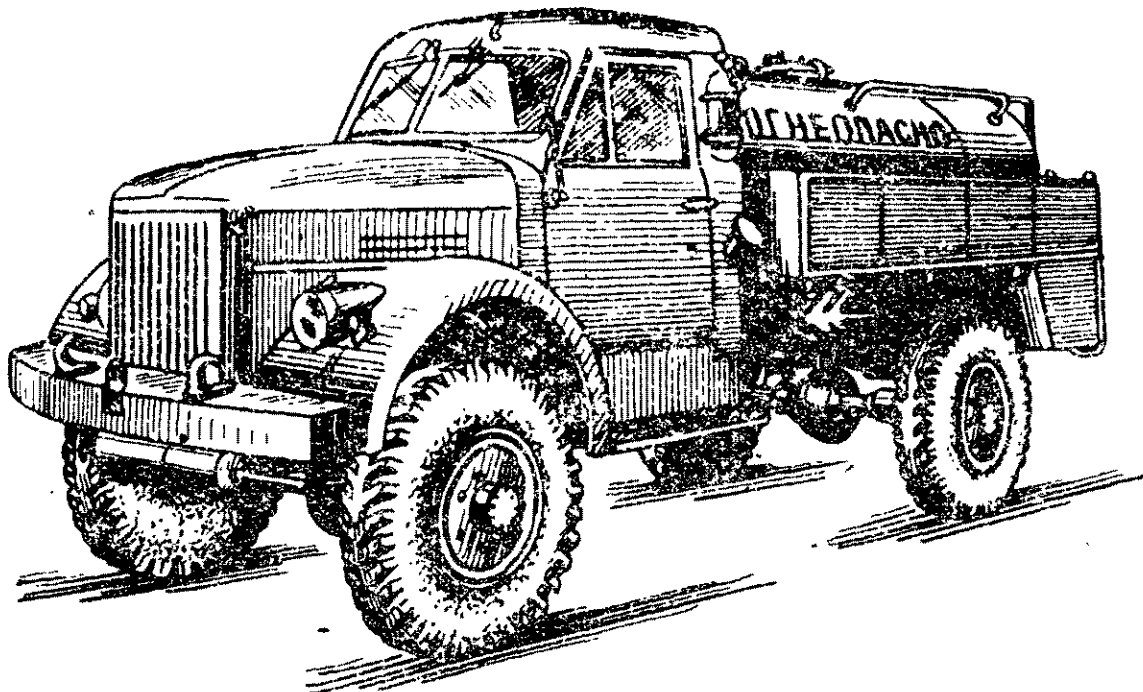
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-107-B
NOMEN: TRUCK, TANK, POL, 4X4, 1965 LITERS, TZ-63
PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22
(OLD 2-2320-4-107)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-107-B

NOMEN: TRUCK, TANK, POL, 4X4, 1965 LITERS, TZ-63

PRODUCED/ADOPTED: ?/

CATALOG: TB-381-5-22

(OLD 2-2320-4-107)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01MAR70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-108-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, POL, 4X2, 4000 LITERS, TZ-150

(OLD 2-2320-4-108)

NATIVE DES: АРТОТОНИБОЗАНПАРИИК ТЗ-150

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1948-1964 ??

DATE UPDATED: 30AUG73

(U)THE TZ-150 FUEL SERVICE TRUCK IS A SPECIAL VEHICLE DESIGNED TO TRANSPORT AVIATION FUEL AND TO FILL AIRCRAFT TANKS WITH FILTERED FUEL UNDER FIELD AND AIRPORT CONDITIONS. THE TANK BODY, MOUNTED ON A ZIL-150 (OR A ZIL-164) TRUCK CHASSIS, IS MADE OF STEEL AND IS EQUIPPED WITH A MANHOLE COVER ASSEMBLY AT THE TOP.

(U)THE TZ-150 FUEL SERVICE TRUCK IS EQUIPPED WITH A PUMP, FUEL FILTER, METER, LEVEL INDICATOR, CONTROL VALVES, THREE SUCTION HOSES, AND THREE DELIVERY HOSES. THESE HOSES ARE HOUSED IN COMPARTMENTS LOCATED AT THE REAR OF THE TANK BODY. THE PUMP, POWERED BY THE TRUCK'S TRANSMISSION, CAN DELIVER 340 LITERS OF FUEL PER MINUTE WHEN ONE DELIVERY HOSE IS USED; WHEN TWO DELIVERY HOSES ARE EMPLOYED, THE PUMP CAN DELIVER 500 LITERS OF FUEL PER MINUTE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-108-A
NOMEN: TRUCK, TANK, POL, 4X2, 4000 LITERS, TZ-150

CATALOG: T8-381-5-22
(OLD 2-2320-4-108)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1948-1964 ?/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 5200
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 3260
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 8460
-GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1800
-EMPTY REAR ----- 3400
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY -- ?
-LOADED FRONT ON HWY -- 2100
-LOADED REAR ON HWY --- 6360

PERSONNEL LOAD (NR) ----- 3 IN CAP

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
-ON HWY ----- N/A

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6900
WIDTH O/ALL ----- 2330
HEIGHT O/ALL ----- 2320
CARGO SPACE-

-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1710
-REAR ----- 1750

WHEELBASE ----- 4000

GROUND CLEARANCE ----- 260

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
TURNING RADIUS (MM) ----- 8020
FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED-

-ROAD (L/100KM) ----- 38
-WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 395
-WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 65
-WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ 2 AT 15; 1 AT 9
2/ 2 AT 38; 1 AT 50

ENGINE:

MODEL ----- ZIL-120
TYPE ----- 6 IN-LINE, I HEAD
MAX HP AT RPM ----- 90 AT 2400
MAX TORQUE (KGM) ----- 33 @ 1100-1400
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 101.6
STROKE (MM) ----- 114.3
DISPLACEMENT (LITERS) 5.55

FORM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 9.00 X 20

-PLY ----- ?

-TYPE ----- ?

-LOADED RADIUS (MM) - ?

-INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 150

-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC ALL WHEELS

-PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS

-REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A

-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL

NR COMPARTMENTS --- 1

LG X WD X HGT (MM) - ?

WEIGHT-EMPTY (KG) - ?

CAPACITY (LITERS) - 4000 LITERS

PUMP:

TYPE ----- SELF-PRIM. TURBINE

MODEL ----- SVN-80

SPEED RPM ----- 1450

CAPACITY (LITERS P/MIN) ----- 500

HOSES:

SUCTION HOSE LENGTH (M) ----- 3 AT 3 EA.

-DIAMETER (MM) ----- 65

DELIVERY HOSE LENGTH (M) ----- *1

-DIAMETER (MM) ----- *2

AUX DELIVERY HOSE LGTH (M) -- N/A

-DIAMETER (MM) ----- N/A

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-108-B

NOMEN: TRUCK, TANK, POL, 4X2, 4000 LITERS, TZ-150

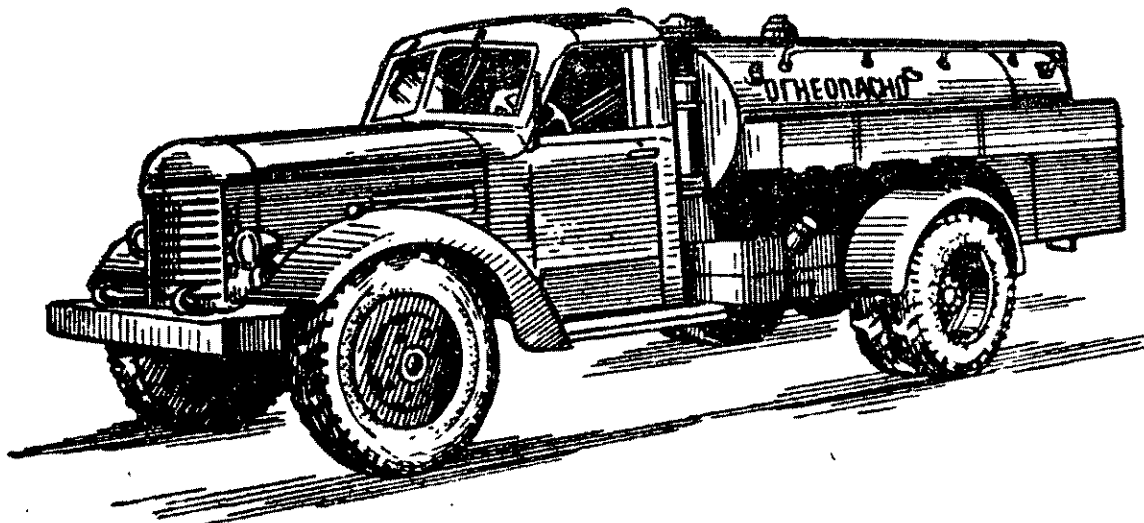
PRODUCED/ADOPTED: 1948-1964 ?/

CATALOG: TB-381-5-22

(OLD 2-2320-4-108)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-108-8

NOMEN: TRUCK, TANK, POL, 4X2, 4000 LITERS, TZ-150

PRODUCED/ADOPTED: 1948-1964 ?/

CATALOG: TB-381-5-22
(OLD 2-2320-4-108)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOH-2320-2-4-109-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 14 TON, 6X2, MAZ-516

(OLD 2-2320-4-109)

NATIVE DES: AVTOMOBILI MAZ-516
PRODUCED/ADOPTED: 1968-DATE/

COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

(U)THE MAZ-516 CARGO TRUCK IS ONE OF THE NEWEST VEHICLES IN THE MAZ SERIES. IN CONTRAST TO OTHERS IN THE SERIES, THE REAR AXLE OF THE BOGIE RETRACTS WHEN THE VEHICLE IS RUNNING EMPTY. THIS FEATURE REDUCES TIRE WEAR AND FUEL CONSUMPTION AND INCREASE SPEED. WITH A LOAD-HAULING CAPACITY 6.5 TONS GREATER THAN THE STANDARD MAZ-500, THE MAZ-516 CAN CARRY A PAYLOAD OF 14 METRIC TONS. ITS NET WEIGHT ALSO HAS BEEN INCREASED BY APPROXIMATELY 2 TONS. THE BODY CONSISTS OF A METALLIC PLATFORM WITH WOODEN FLOORING. THE VEHICLE HAS AN ALL-METAL, THREE- PLACE CAB.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-109-A
NOMEN: TRUCK, CARGO, 14 TON, 6X2, MAZ-516

CATALOG: TB-381-5-22
(OLD 2-2320-4-109)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1968-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 8800
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 14,000
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 23,525
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 3600
-EMPTY REAR ----- 2600 (EA)
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY -- ?
-LOADED FRONT ON HWY -- 5525
-LOADED REAR ON HWY --- 18,000
PERSONNEL LOAD (NR) ----- 3 IN CAB 16 IN REAR
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- ?
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 8520
WIDTH O/ALL ----- 2500
HEIGHT O/ALL ----- 2650
CARGO SPACE-
-LENGTH ----- 6200
-WIDTH ----- 2340
-HGT OF SIDES ----- 855 ?
TREAD, C TO C-
-FRONT ----- 1970
-REAR ----- 1866
WHEELBASE ----- 4577
GROUND CLEARANCE ----- 270
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
TURNING RADIUS (MM) ----- 11,000
FORDING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 30
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 1000
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 85
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- 30 DEG
ANGLE OF DEPARTURE (DEG) --- 28
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- YAMZ-236
TYPE ----- V-6, 4 CYCLE
MAX HP AT RPM ----- 180 AT 2100
MAX TORQUE (KGM) ----- 68 AT 1500
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 130
STROKE (MM) ----- 140
DISPLACEMENT (LITERS) 11.15

FOM NR ----- 2815-2-1-4

GENERAL DATA:

TIRES-
-SIZE ----- 11.00 X 22
-PLY ----- 14
-TYPE ----- ?
-LOADED RADIUS (MM) - 540
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 200
-AUX TANK ----- 100
BRAKES-
-PRIMARY TYPE ----- AIR
-PARKING TYPE ----- MECHANICAL ACTUATOR
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- *1
TRANSMISSION-
-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 5/1
TRANSFER, NR SPEEDS --- N/A
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 24 (TWO 12V BATT)
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

1/ CENTRALIZER ARM, ON FOUR LONGITUDINAL
SEMIELLIPTIC SPRINGS
AUX AXLE SUPPORTING MECHANISM:
HYDRAULIC DEVICE WITH DRIVE FROM STEERING
CONTROL HYDRAULIC BOOSTER PUMP AND
MECH. CLAMPS SECURING AXLE IN RAISED
POSITION.

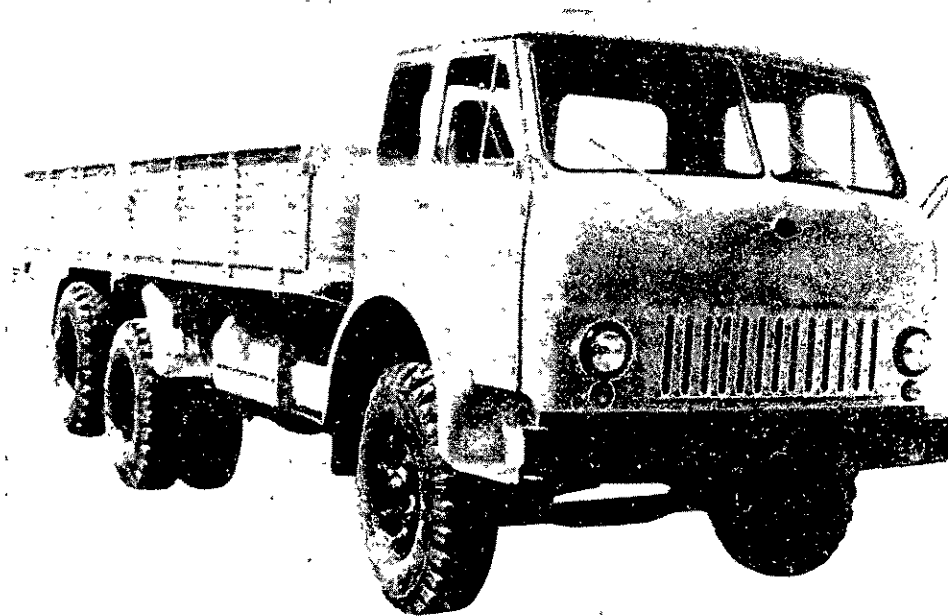
DATE CATALOGED: 01DEC69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-109-B
NOMEN: TRUCK, CARGO, 14 TON, 6X2, MAZ-516
PRODUCED/ADOPTED: 1968-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-109)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-2-4-109-B
NOMEN: TRUCK, CARGO, 14 TON, 6X2, MAZ-516
PRODUCED/ADOPTED: 1968-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-4-109)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-110-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, POL, 4X2, 4000 LITERS, ATSM -4-150

(OLD 2-2320-4-110)

NATIVE DES: АВТОМАНЕВРНЫЙ АТМ-4-150
PRODUCED/ADOPTED: 1948-1957/

COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

(U)THE ATSM-150 IS DESIGNED TO TRANSPORT LIQUID POL PRODUCTS AND TO PROVIDE FILTERED FUEL TO MOTOR VEHICLES. THE TANK BODY, MOUNTED ON A ZIL-150 (OR A ZIL-164) TRUCK CHASSIS, IS MADE OF STEEL AND IS EQUIPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP.

(U)THIS TANK TRUCK IS EQUIPPED WITH A PUMP, FILTER, METER, LEVEL INDICATOR, CONTROL VALVES, THREE SUCTION HOSES, AND TWO DELIVERY HOSES. THE HOSES ARE HOUSED IN COMPARTMENTS LOCATED ON EACH SIDE OF THE TANK BODY. THE PUMP, POWERED BY THE TRUCK'S TRANSMISSION, CAN DELIVER 98 LITERS OF FUEL PER MINUTE WHEN USING ONE DELIVERY HOSE; WHEN USING TWO DELIVERY HOSES, THE DELIVERY RATE IS 158 LITERS OF FUEL PER MINUTE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-110-A
 NOMEN: TRUCK, TANK, POL, 4X2, 4000 LITERS, ATSM -4-150

CATALOG: T8-381-5-22
 (OLD 2-2320-4-110)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1948-1957/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 5000
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 3000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 8000
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY ----- ?
 -LOADED REAR OFF HWY ----- ?
 -LOADED FRONT ON HWY ----- ?
 -LOADED REAR ON HWY ----- ?
 PERSONNEL LOAD (NR) ----- 3 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6560
 WIDTH O/ALL ----- 2270
 HEIGHT O/ALL ----- 2570
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 1700
 -REAR ----- 1750
 WHEELBASE ----- 3990
 GROUND CLEARANCE ----- 260
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 8020
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 38
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 400
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 65
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

ENGINE:

MODEL ----- ZIL-120
 TYPE ----- 6 IN-LINE, L HEAD
 MAX HP AT RPM ----- 90 AT 2400
 MAX TORQUE (KGM) ----- 33 @ 1100-1400
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 101.6
 STROKE (MM) ----- 114.3
 DISPLACEMENT (LITERS) 5.55

FOM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 9.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 150
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- AIR ALL WHEELS
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT, ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 1
 LG X WD X HGT (MM)- ?
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 4000

PUMP:

TYPE ----- SELF-PRIM. TURBINE
 MODEL ----- SVN-80
 SPEED RPM ----- 1450 RPM
 CAPACITY (LITERS P/MIN) ----- 98

HOSES:

SUCTION HOSE LENGTH (M) ----- 3 AT 3 EA
 -DIAMETER (MM) ----- 65
 DELIVERY HOSE LENGTH (M) ----- 2 AT 9 EA
 -DIAMETER (MM) ----- 25
 AUX DELIVERY HOSE LGTH (M) --- N/A
 -DIAMETER (MM) ----- N/A

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-2-4-110-8

NOMEN: TRUCK, TANK, POL, 4x2, 4000 LITERS, ATSM -4-150

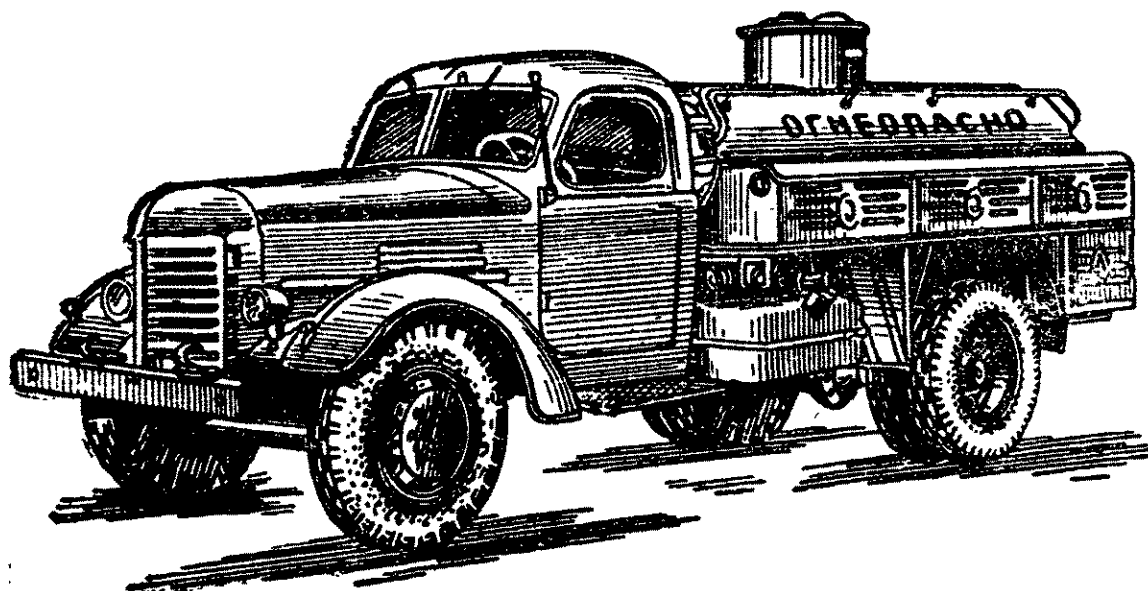
PRODUCED/ADOPTED: 1948-1957/

CATALOG: TB-381-5-22

(OLD 2-2320-4-110)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-110-B

NOMEN: TRUCK, TANK, POL, 4X2, 4000 LITERS, ATSM -4-150

PRODUCED/ADOPTED: 1948-1957/

CATALOG: TB-381-5-22
(OLD 2-2320-4-110)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-111-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, TANK, POL, 6X6, 3300 LITERS, ATZ-3-151

(OLD 2-2320-4-111)

NATIVE DES: АВТОПОЛИВОВАЯ МАШИНА АТЗ-3-151

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1947-58/

DATE UPDATED: 30AUG73

(U)THE ATZ-3-151 FUEL SERVICE TRUCK IS DESIGNED TO TRANSPORT LIQUID PETROLEUM PRODUCTS AND TO SERVICE MOTOR VEHICLES WITH FILTERED FUEL. THE TANK BODY, MOUNTED ON A ZIL-151 (OR A ZIL-157) TRUCK CHASSIS, IS MADE OF STEEL AND IS EQUIPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP. A CABINET IN THE REAR OF THE TANK BODY HOUSES A FUEL FILTER, METER, LEVEL INDICATOR, AND CONTROL VALVES. SIDE CABINETS AT THE REAR OF THE TANK BODY HOUSE ONE SUCTION HOSE AND FIVE DELIVERY HOSES.

(U)THE DISPENSING PUMP, POWERED BY THE TRUCK'S TRANSMISSION, CAN DELIVER 98 LITERS OF FUEL PER MINUTE WHEN USING ONE DELIVERY HOSE; WHEN USING FOUR DELIVERY HOSES, THE PUMP CAN DELIVER 265 LITERS OF FUEL PER MINUTE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-111-A
 NOMEN: TRUCK, TANK, POL, 6X6, 3300 LITERS, ATZ-3-151

CATALOG: TB-381-5-22
 (OLD 2-2320-4-111)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1947-58/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 6700
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 2900
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 9600
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY ----- ?
 -LOADED REAR OFF HWY ----- ?
 -LOADED FRONT ON HWY ----- ?
 -LOADED REAR ON HWY ----- ?

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6920
 WIDTH O/ALL ----- 2330
 HEIGHT O/ALL ----- 2360

CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1600
 -REAR ----- 1730

WHEELBASE ----- 4200

GROUND CLEARANCE ----- 260

PINTLE HEIGHT ----- N/A

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 11,000
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 45
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 665
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 65
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ZIL-121
 TYPE ----- 6 IN-LINE, L HEAD
 MAX HP AT RPM ----- 92 AT 2600
 MAX TORQUE (KGM) ----- 31 @ 1200-1300
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 101.6
 STROKE (MM) ----- 114.3
 DISPLACEMENT (LITERS) 5.55

FOM NR ----- 2805-2-1-11

GENERAL DATA:

TIRES-

-SIZE ----- 8.25 X 20
 -PLY ----- ?
 -TYPE ----- ?

-LOADED RADIUS (MM) - ?

-INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 150
 -AUX TANK ----- 150

BRAKES-

-PRIMARY TYPE ----- AIR, ALL WHEELS
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIEPLLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL

NR COMPARTMENTS --- 1

LG X WD X HGT (MM)- ?

WEIGHT-EMPTY (KG) - ?

CAPACITY (LITERS) - 3300

PUMP:

TYPE ----- SELF PRIM. TURBINE

MODEL ----- SVN-80

SPEED RPM ----- 1450

CAPACITY (LITERS P/MIN) ----- 98

HOSES:

SUCTION HOSE LENGTH (M) ----- 9

-DIAMETER (MM) ----- 65

DELIVERY HOSE LENGTH (M) ----- 5 AT 9

-DIAMETER (MM) ----- #1

AUX DELIVERY HOSE LGTH (M) -- N/A

-DIAMETER (MM) ----- N/A

REMARKS:

1/ 4 AT 25; 1 AT 50

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-111-B

NOMEN: TRUCK, TANK, POL, 6X6, 3300 LITERS, ATZ-3-151

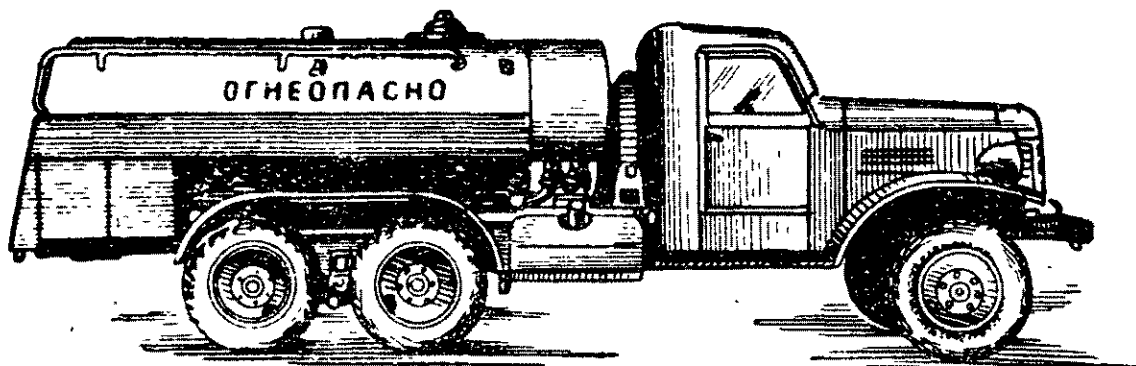
PRODUCED/ADOPTED: 1947-58/

CATALOG: TB-381-5-22

(OLD 2-2320-4-111)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



DATE CATALOGED: 01DEC70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-111-B

NOMEN: TRUCK, TANK, PDL, 6X6, 3300 LITERS, ATZ-3-151

PRODUCED/ADOPTED: 1947-58/

CATALOG: TB-381-5-22

(OLD 2-2320-4-111)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-112-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, OIL, 4X2, 850 LITERS, MODEL MZ-51

(OLD 2-2320-4-112)

NATIVE DES:
PRODUCED/ADOPTED: ?/

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE MODEL MZ-51 WAS DESIGNED FOR SOVIET ARMY USE IN SERVICING VEHICLE ENGINES WITH HEATED OIL TO FACILITATE THEIR STARTING IN COLD WEATHER. ALSO, IT IS USED FOR TEMPORARY STORAGE OF OIL.

(U)THE TANK BODY, MOUNTED ON A GAZ-51 TRUCK CHASSIS, IS EQUIPPED WITH A BOILER AND HAS ONE COMPARTMENT FOR OIL. THE COMPARTMENT IS TOPPED WITH A MANHOLE AND A FILLER COVER ASSEMBLY. THE MODEL MZ-51 IS EQUIPPED WITH A FILTER, A METER, LEVEL INDICATOR, CONTROL VALVES, AND A DISPENSING PUMP. COMPARTMENTS ON EACH SIDE OF THE TANK BODY HOUSE A TOTAL OF THREE SUCTION HOSES AND TWO DELIVERY HOSES.

(U)THE MODEL MZ-51 OIL SERVICE TRUCK CAN DELIVER 150 LITERS OF OIL PER MINUTE AT A TEMPERATURE OF 79.4 DEG C.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-112-A
 NOMEN: TRUCK, TANK, OIL, 4X2, 850 LITERS, MODEL MZ-51

CATALOG: TB-381-5-22
 (OLD 2-2320-4-112)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ?/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4000
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 900
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 4900
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY ----- ?
 -LOADED REAR OFF HWY ----- ?
 -LOADED FRONT ON HWY ----- ?
 -LOADED REAR ON HWY ----- ?

PERSONNEL LOAD (NR) ----- 2 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5500
 WIDTH O/ALL ----- 2260
 HEIGHT O/ALL ----- 2160
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 1600
 -REAR ----- 1660
 WHEELBASE ----- 3300
 GROUND CLEARANCE ----- 240
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL ----- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 7600
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 26
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 344
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 70
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ----- ?
 ANGLE OF DEPARTURE (DEG) ----- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

REMARKS:

ENGINE:

MODEL ----- GAZ-51
 TYPE ----- 6 IN-LINE, L HEAD
 MAX HP AT RPM ----- 70 AT 2800
 MAX TORQUE (KGM) ----- 20.5 @ 1500-1700
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 82
 STROKE (MM) ----- 110
 DISPLACEMENT (LITERS) 3.48

FOM NR ----- FOM-2805-2-1-9

GENERAL DATA:

TIRES-

-SIZE ----- 7.50 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 90
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 1
 LG X WD X HGT (MM) - ? X ? X ?
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 850

PUMP:

TYPE ----- SELF-PRIM ROTARY
 MODEL ----- RZ-30
 SPEED RPM ----- ?
 CAPACITY (LITERS P/MIN) ----- 150

HOSES:

SUCTION HOSE LENGTH (M) ----- 3 AT 2 EA
 -DIAMETER (MM) ----- 65
 DELIVERY HOSE LENGTH (M) ----- 2 AT 9 EA
 -DIAMETER (MM) ----- 25
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-112-8

NOMEN: TRUCK, TANK, OIL, 4X2, 850 LITERS, MODEL MZ-51

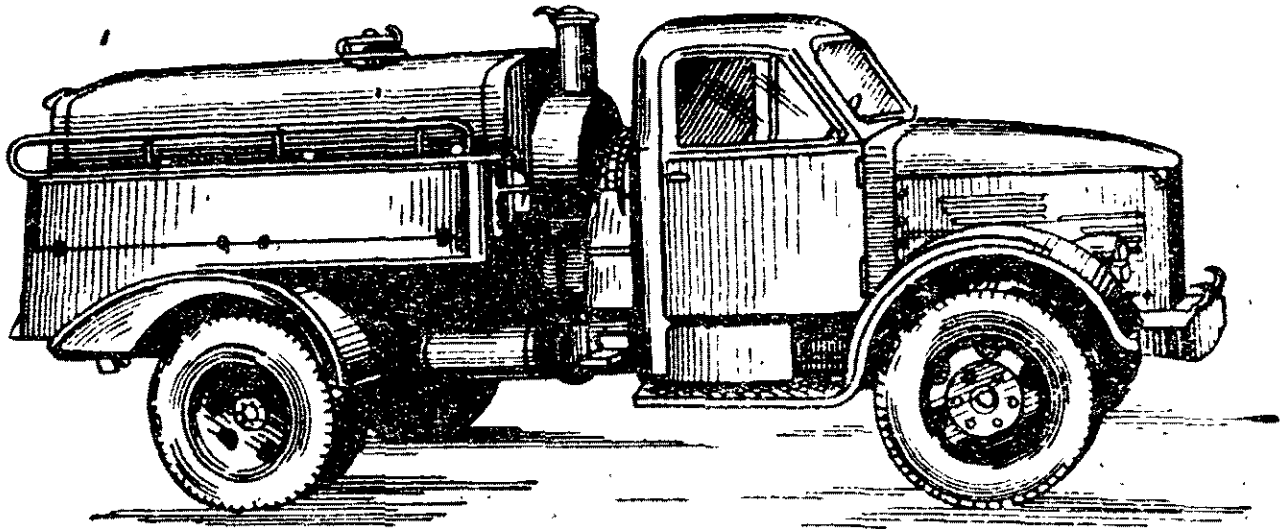
PRODUCED/ADOPTED: ?/

CATALOG: TB-381-5-22

(OLD 2-2320-4-112)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-112-B
NOMEN: TRUCK, TANK, OIL, 4X2, 850 LITERS, MODEL MZ-51
PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22
{OLD 2-2320-4-112}
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FOM-2320-2-4-113-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, OIL, 4X2, 2100 LITERS, MZ-150

(OLD 2-2320-4-113)

NATIVE DES: АВТОМАЦИОННАЯ МЗ-150
PRODUCED/ADOPTED: ??

COUNTRY: U.S.S.R.
DATE UPDATED: 06SEP73

(U)THE MZ-150 IS DESIGNED TO SERVICE SOVIET ARMY VEHICLE ENGINES WITH HEATED OIL TO FACILITATE THEIR STARTING IN COLD WEATHER. THIS VEHICLE IS ALSO USED TO STORE HEATED OIL OVER EXTENDED PERIODS.

(U)THE TANK BODY, MOUNTED ON A ZIL-150 TRUCK CHASSIS, IS EQUIPPED WITH AN INSIDE BOILER AND HAS ONE COMPARTMENT FOR OIL. THE COMPARTMENT IS TOPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY. THE MZ-150 IS EQUIPPED WITH A METER, LEVEL INDICATOR, CONTROL VALVES, AND A DISPENSING PUMP. COMPARTMENTS ON EACH SIDE OF THE TANK BODY HOUSE A TOTAL OF THREE SUCTION HOSES AND TWO DELIVERY HOSES.

(U)THE MZ-150 OIL SERVICE TRUCK CAN DELIVER 208 LITERS OF OIL PER MINUTE AT A TEMPERATURE OF 79.4 DEG C.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-113-A
 NOMEN: TRUCK, TANK, OIL, 4X2, 2100 LITERS, MZ-150

CATALOG: TB-381-5-22
 (OLD 2-2320-4-113)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: ??

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 6230
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 2200
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 8430
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6830
 WIDTH O/ALL ----- 2380
 HEIGHT O/ALL ----- 2410
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 1715
 -REAR ----- 1750
 WHEELBASE ----- 4000
 GROUND CLEARANCE ----- 264
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 8020
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 6.2 MPG
 -WATER (L/HR) ----- ?
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 395
 -WATER ----- ?
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 65
 -WATER ----- ?
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

ENGINE:

MODEL ----- ZIL-120
 TYPE ----- 6 IN-LINE, L HEAD
 MAX HP AT RPM ----- 90 AT 2400
 MAX TORQUE (KGM) ---- 33 @ 1100-1400
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 101.6
 STROKE (MM) ----- 114.3
 DISPLACEMENT (LITERS) 5.55

FORM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 9.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 150
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- PNEUMPTIC, 4 WHEEL
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL, SYNCHRONIZED
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 1
 LG X WD X HGT (MM)- ?
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 2100

PUMP:

TYPE ----- SELF-PRIM, ROTARY
 MODEL ----- RZ-30
 SPEED RPM ----- ?
 CAPACITY (LITERS P/MIN) ---- ?

HOSES:

SUCTION HOSE LENGTH (M) ----- 3 AT 2.5 EA
 -DIAMETER (MM) ----- 65
 DELIVERY HOSE LENGTH (M) ----- 2 AT 10 EA
 -DIAMETER (MM) ----- 25
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

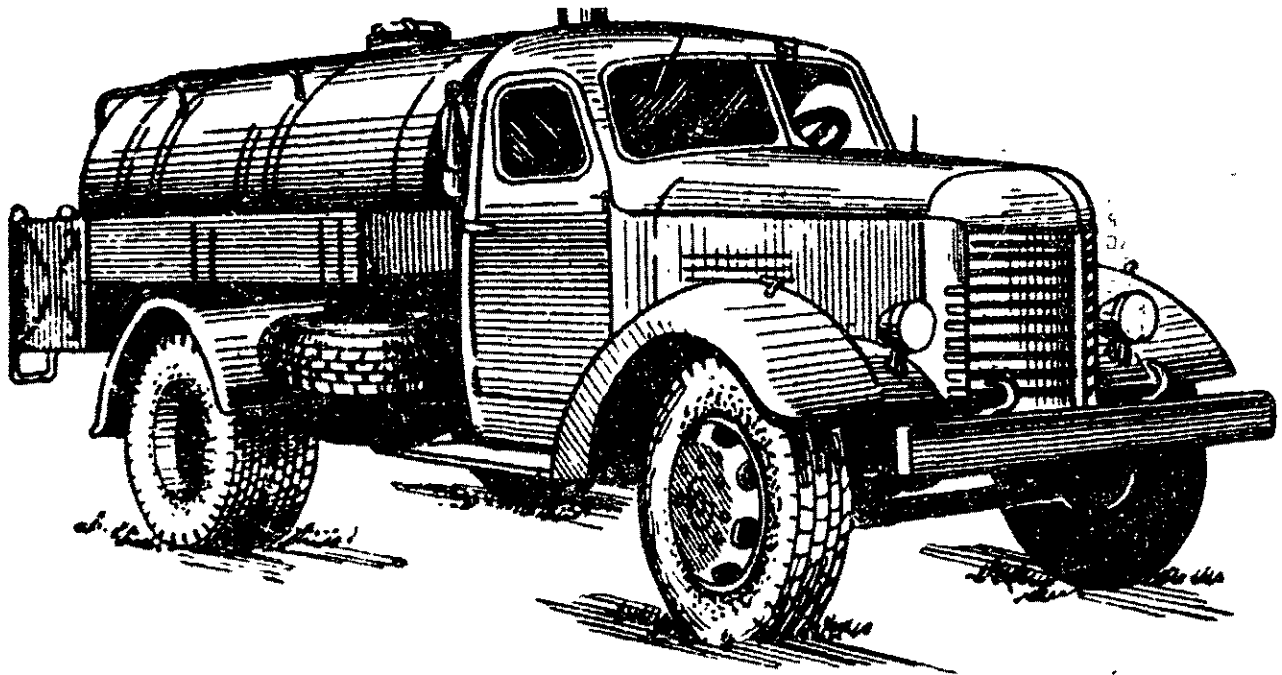
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-2-4-113-B
NOMEN: TRUCK, TANK, OIL, 4X2, 2100 LITERS, MZ-150
PRODUCED/ADOPTED: 77

CATALOG: TB-381-5-22
(OLD 2-2320-4-113)
COUNTRY: U.S.S.R.
DATE UPDATED: 06SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-113-B
NOMEN: TRUCK, TANK, OIL, 4X2, 2100 LITERS, MZ-150
PRODUCED/ADOPTED: ?/

CATALOG: TB-381-5-22
(OLD 2-2320-4-113)
COUNTRY: U.S.S.R.
DATE UPDATED: 06SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-114-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, 1/2 TON, 4X4, LIGHT, AIR DROPPABLE, M1964

(DLD 2-2320-4-114)

NATIVE DES: AVTOMOBILI M1964
PRODUCED/ADOPTED: 1964 TO DATE

COUNTRY: U.S.S.R.
DATE UPDATED: 06AUG73

(U)THIS VERY LIGHT VEHICLE IS THE SMALLEST ONE USED BY THE SOVIET ARMED FORCES. IT HAS A BOATLIKE OPEN BODY WITH A FRONT-MOUNTED ENGINE AND A VERY LOW SILHOUETTE. THE VEHICLE SEATS TWO PERSONS INCLUDING THE DRIVER AND CAN CARRY AN ESTIMATED PAYLOAD OF ONE-HALF TON. THE STEERING WHEEL IS LOCATED IN THE CENTER OF THE VEHICLE AND THE WHEELS ARE RECESSED INTO THE SIDES. THE RAILS, CARRIED ON EITHER SIDE OF THE VEHICLE, APPEAR TO BE HINGED AND CAN APPARENTLY BE FOLDED DOWN AGAINST THE OUTSIDE OF THE BODY, BE HELD IN AN UPRIGHT POSITION THEREBY INCREASING THE CARGO-CARRYING AREA, OR THEY CAN BE FOLDED DOWN INSIDE THE VEHICLE BODY FORMING A PAIR OF TREAD RAILS OR TRACKS. THE TWO HOOKS ON THE REAR END OF EACH RAIL ARE APPARENTLY INTENDED TO FIT OVER THE TAIL SECTION TO INCREASE THE RIGIDITY AND MAY ALSO PROVIDE A LOADING RAMP. THESE RAILS ARE PROBABLY INTENDED FOR LOADING AND CARRYING LIGHT ARTILLERY PIECES OR MORTARS IN SUPPORT OF AIRBORNE TROOPS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2320-2-4-114-A

NOMEN: TRUCK, 1/2 TON, 4X4, LIGHT, AIR DROPPABLE, M1964

PRODUCED/ADOPTED: 1964 TO DATE

CATALOG: TB-381-5-22
 (OLD 2-2320-4-114)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 06AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 700
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- SEE REMARKS
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 1260
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 2

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 2600
 WIDTH O/ALL ----- 1490
 HEIGHT O/ALL ----- ?
 CARGO SPACE-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?
 TREAD, C TO C-
 -FRONT ----- 1220
 -REAR ----- 1220
 WHEELBASE ----- 2174
 GROUND CLEARANCE ----- 200
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- ?
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 9
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 330
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 100
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) ---- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- MEMZ-965, V-4, AIR-COOLED
 TYPE ----- V-4, 4 CYCLE, OHV
 MAX HP AT RPM ----- 23 AT 4000
 MAX TORQUE (KGM) ----- 4.49 AT 2000-2500
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 66.0
 STROKE (MM) ----- 54.6
 DISPLACEMENT (LITERS) 0.877

FQM NR ----- 2805-2-1-17

GENERAL DATA:

TIRES-

-SIZE ----- 5.20 X 13
 -PLY ----- 4
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 283
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 30
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- TORSION BAR
 -REAR ----- TORSION BAR

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?

-AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

400 OF CARGO + 2 PERSONS AT 80 +
 559

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-4-114-8

NOMEN: TRUCK, 1/2 TON, 4X4, LIGHT, AIR DROPPABLE, M1964

PRODUCED/ADOPTED: 1964 TO DATE

CATALOG: TB-381-5-22

(OLD 2-2320-4-114)

COUNTRY: U.S.S.R.

DATE UPDATED: 06AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-114-B

NOMEN: TRUCK, 1/2 TON, 4X4, LIGHT, AIR DROPPABLE, M1964

PRODUCED/ADOPTED: 1964 TO DATE

CATALOG: T8-381-5-22
(OLD 2-2320-4-114)
COUNTRY: U.S.S.R.
DATE UPDATED: 06AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-2-4-117-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, POL, 4X2, 3800 LITERS, ATZ-3.8-130

(OLD 2-2320-4-117)

NATIVE DES: ABTOTOT/MB03ATTPADINK AT3-3.8-130

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1965-DATE/

DATE UPDATED: 30AUG73

(U)THE ATZ-3.8-130 FUEL SERVICE TRUCK IS DESIGNED TO SERVICE AIRCRAFT WITH FILTERED FUEL. THE TANK BODY, MOUNTED ON A ZIL-130 TRUCK CHASSIS, IS MADE OF STEEL, AND IS EQUIPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP.

(U)THIS TRUCK IS EQUIPPED WITH A PUMP, FILTER, METER, LEVEL INDICATOR, CONTROL VALVES, THREE SUCTION HOSES, AND THREE DELIVERY HOSES. THE HOSES ARE HOUSED IN COMPARTMENTS LOCATED ON EACH SIDE OF THE TANK BODY. THE PUMP, POWERED BY THE TRUCK'S TRANSMISSION, CAN DELIVER 300 LITERS OF FUEL PER MINUTE.

(U)THE ATZ-3.8-130 IS PRODUCED BY KURGAN ROAD MACHINERY PLANT, USSR.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-117-A

NGMEN: TRUCK, TANK, POL, 4X2, 3800 LITERS, AT2-3.8-130

PRODUCED/ADOPTED: 1965-DATE/

 CATALOG: T8-381-5-22
 IOLD 2-2320-4-1171
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 5250
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 3490
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 8740
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY -- ?
 PERSONNEL LOAD (NR) ---- 3
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6770
 WIDTH O/ALL ----- 2360
 HEIGHT O/ALL ----- 2700
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 3800
 GROUND CLEARANCE ----- 274
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 8500
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 26
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 536
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 80
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ 2 AT 15 MTR, 1 AT 9 MTR

ENGINE:

MODEL ----- ZIL-130
 TYPE ----- V8, OHV
 MAX HP AT RPM ----- 150 AT 3100
 MAX TORQUE (KGM) ----- 41 @ 1800-2000
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 100
 STROKE (MM) ----- 95
 DISPLACEMENT (LITERS) 6

FOM NR ----- FOM-2805-2-1-12

GENERAL DATA:

TIRES-

-SIZE ----- 9.00X20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 140
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC AIR-ASSISTED
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIEIPTIC SPRINGS
 -REAR ----- SEMIEIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) --- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 1
 LG X WD X HGT (MM)--- ? ? ?
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 3800

PUMP:

TYPE ----- SELF-PRIME TURBINE
 MODEL ----- SVN-80
 SPEED RPM ----- 1450
 CAPACITY (LITERS P/MIN) ----- 300

HOSES:

SUCTION HOSE LENGTH (M) ----- 3 AT 3 EA
 -DIAMETER (MM) ----- 65
 DELIVERY HOSE LENGTH (M) ----- *1
 -DIAMETER (MM) ----- 2 AT 38 I AT 50
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2320-2-4-117-8

NOMEN: TRUCK, TANK, POL, 4X2, 3800 LITERS, ATZ-3.8-130

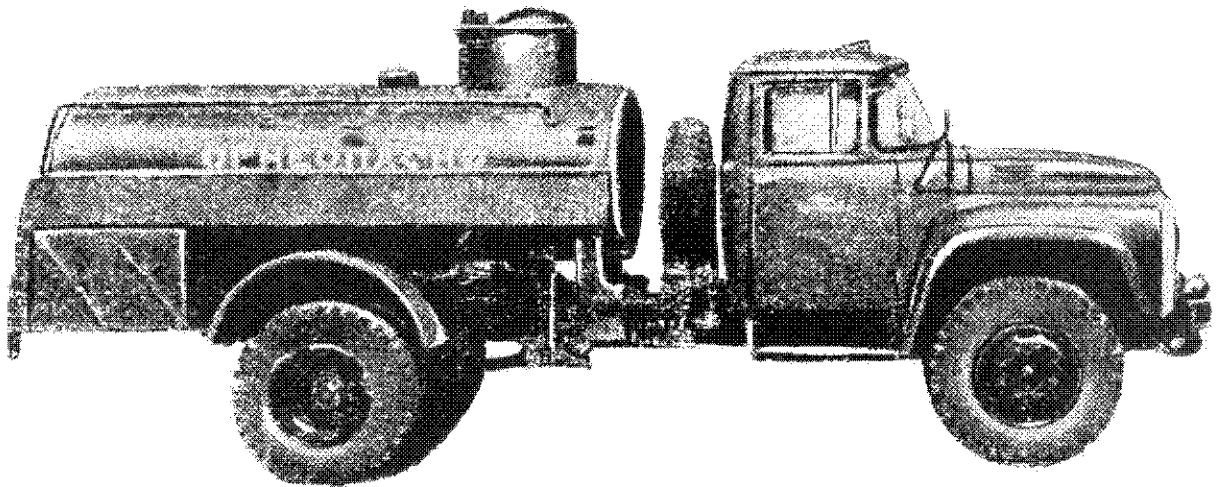
PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-5-22

(OLD 2-2320-4-117)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-117-B

NOMEN: TRUCK, TANK, POL, 4X2, 3800 LITERS, ATZ-3.8-130

PRODUCED/ADOPTED: 1965-DATE/

CATALOG: T6-381-5-22

(OLD 2-2320-4-117)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-118-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, POL, 4X2, 2600 LITERS, ATS-26-355M

(OLD 2-2320-4-118)

NATIVE DES: АВТОМОБИЛЬ-ЦИСТЕРНА А1-2.6-355М

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1963-1966/

DATE UPDATED: 20JUL73

(U)THIS TRUCK IS DESIGNED TO TRANSPORT AND DISTRIBUTE LIQUID FUEL. THE TANK BODY, MOUNTED ON A URAL-355M TRUCK CHASSIS, IS CALIBRATED, ELLIPTICAL IN CROSS SECTION, AND FABRICATED OF 3 MILLIMETERS THICK SHEET STEEL. THE TANK IS EQUIPPED WITH HAFFLE PLATES ON THE INTERIOR, AND HAS ONE COMPARTMENT TOPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY.

(U)THIS VEHICLE IS EQUIPPED WITH LADDERS, HANDRAILS, FILTER, METER, GATE VALVE, AND SUCTION AND DELIVERY HOSES. THE HOSES ARE HOUSED IN COMPARTMENTS LOCATED ON EACH SIDE OF THE TANK BODY. POWERED BY THE TRUCK'S TRANSMISSION, THE DISPENSING PUMP IS LOCATED UNDER THE TANK BODY.

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U N C L A S S I F I E D

FQM-2320-2-4-116-A
NOMEN: TRUCK, TANK, POL, 4X2, 2600 LITERS, ATS-26-355M

CATALOG: YB-381-5-22
(OLD 2-2320-4-118)
COUNTRY: U.S.S.R.
DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: 1963-1966/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4000
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 2260
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 6260
-GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
-EMPTY REAR ----- ?
-LOADED FRONT OFF HWY ----- ?
-LOADED REAR OFF HWY ----- ?
-LOADED FRONT ON HWY ----- 2100
-LOADED REAR ON HWY ----- 4160

PERSONNEL LOAD (NR) ----- 2

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
-ON HWY ----- N/A

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6290
WIDTH O/ALL ----- 2126
HEIGHT O/ALL ----- 2095
CARGO SPACE-

-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- ?
-REAR ----- ?

WHEELBASE ----- 3810

GROUND CLEARANCE ----- 262

PINTLE HEIGHT ----- N/A

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 21%

TURNING RADIUS (MM) ----- 8290

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 33
-WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 330
-WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 76
-WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- ?

ANGLE OF DEPARTURE (DEG) ----- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

REMARKS:

ENGINE:

MODEL ----- URAL-353A
TYPE ----- 4 CYL, IN-LINE L-HEAD
MAX HP AT RPM ----- 95 AT 2600
MAX TORQUE (KGM) ----- 30 @ 1200
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 101.6
STROKE (MM) ----- 114.3
DISPLACEMENT (LITERS) 5.55

FOM NR ----- FOM-2-2805-1-16

GENERAL DATA:

TIRES-

-SIZE ----- 8.25X20
-PLY ----- ?
-TYPE ----- ?
-LOADED RADIUS (MM) - ?
-INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 110
-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC ALL WHEELS
-PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A

-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) --- N/A

TANK BODY:

MATERIAL ----- STEEL
NR COMPARTMENTS --- 1
LG X WD X HGT (MM) - ? X 1426 X 780
WEIGHT-EMPTY (KG) - 1150
CAPACITY (LITERS) - 2600

PUMP:

TYPE ----- CENTRIFUGAL
MODEL ----- STS L-00
SPEED RPM ----- ?
CAPACITY (LITERS P/MIN) -----

HOSES:

SUCTION HOSE LENGTH (M) ----- 3
-DIAMETER (MM) ----- 65
DELIVERY HOSE LENGTH (M) ----- 7.5
-DIAMETER (MM) ----- 38
AUX DELIVERY HOSE LGTH (M) --- N/A
-DIAMETER (MM) ----- N/A

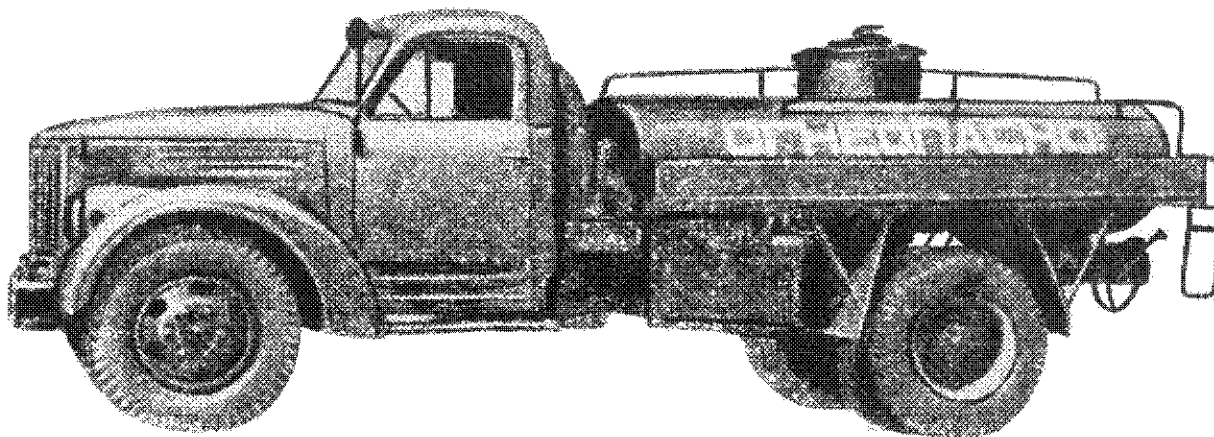
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U N C L A S S I F I E D

FCM-2320-2-4-118-B
NOMEN: TRUCK, TANK, POL, 4X2, 2600 LITERS, ATS-26-355M
PRODUCED/ADOPTED: 1963-1966/

CATALOG: T6-381-5-22
(OLD 2-2320-4-118)
COUNTRY: U.S.S.R.
DATE UPDATED: 20JUL73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-118-B

NOMEN: TRUCK, TANK, POL, 4X2, 2600 LITERS, ATS-26-355M

PRODUCED/ADOPTED: 1963-1966/

CATALOG: T8-381-5-22

(OLD 2-2320-4-118)

COUNTRY: U.S.S.R.

DATE UPDATED: 20JUL73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-119-A

CATALOG: TB-381-5-22

NOMEN: TRUCK CARGO 12-TON 6X4, KRAZ-257

(OLD 2-2320-4-119)

NATIVE DES: AVTOMOBILI KRAZ-257

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1965 TO DATE

DATE UPDATED: 06AUG73

(U)THE KREMENCHUNG MOTOR VEHICLE PLANT HAS BEEN PRODUCING THE KRAZ-257 SINCE 1965. A GENERAL PURPOSE TRUCK, THIS VEHICLE'S CARGO BODY CONSISTS OF A WOODEN PLATFORM AND REMOVABLE SIDES (THE LATERAL SIDEBORDS ARE MADE IN PAIRS). THE THREE PLACE CAB IS WOODEN, METAL SHEATHED.

(U)THE PLANT PRODUCED THE KRAZ-2198, WHICH DIFFERED FROM THE KRAZ-257 IN ITS POWER PLANT, FROM 1963 TO 1965. FROM 1959 TO 1963 IT PRODUCED THE KRAZ 219, WHICH WAS THE MODERNIZED VERSION OF THE OLDER YAAZ-210, PRODUCED BY YAROSLAVL' MOTOR VEHICLE PLANT FROM 1951 TO 1959.

(U)UNTIL THE NEWER AND IMPROVED MODELS OF THE KRAZ-250 SERIES GO INTO PRODUCTION, THE KRAZ-257, OUTWARDLY THE SAME AS THE KRAZ-219 SERIES, BUT WITH A NEW SERIES V-8 DIESEL ENGINE, IS BEING PRODUCED AS THE INTERIM MODEL.

(U)THE KRAZ-257 IS DESIGNED FOR MASS TRANSPORT OF VARIOUS CARGOES AND FOR TOWING TRAILERS ON FIRST AND SECOND CLASS ROADS.

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U N C L A S S I F I E D

FQM-2320-2-4-119-4
 NOMEN: TRUCK CARGO 12-TON 6X4, KRAZ-257

CATALOG: TB-381-5-22
 TOLD 2-2320-4-119)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 06AUG73

PRODUCED/ADOPTED: 1965 TO DATE

PHYSICAL DATA:

WEIGHT (KG):

-CURB ----- 11,132
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 12000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 23355
 -GROSS, WATER ----- N/A

AXLE LOAD (KG):

-EMPTY FRONT ----- 4300
 -EMPTY REAR ----- 3415 EA
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 4665
 -LOADED REAR ON HWY -- 9345 EA

PERSONNEL LOAD (NR) ----- 3 IN CAB, 22 IN REAR

MAX TOWED LOAD (KG):

-OFF HWY ----- ?
 -ON HWY ----- 16600

MAX SEMITRAILER (KG):

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 9660
 WIDTH O'ALL ----- 2650
 HEIGHT O'ALL ----- 2620

CARGO SPACE:

-LENGTH ----- 5770
 -WIDTH ----- 2480
 -HGT OF SIDES ----- 825

TREAD, C TO C-

-FRONT ----- 1950
 -REAR ----- 1920

WHEELBASE ----- 5750

GROUND CLEARANCE ----- 290

PINTLE HEIGHT ----- ?

HST TO C OF 5TH WHL ----- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 32.5 DEG

TURNING RADIUS (MM) ----- 12500

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 36
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 1242
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 70
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- 42 DEG

ANGLE OF DEPARTURE (DEG) --- 18 DEG

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- YAMZ-238A
 TYPE ----- V-8,
 MAX HP AT RPM ----- 215 AT 2100
 MAX TORQUE (KGM) ---- 80 AT 1500
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 130
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 14.86

FQM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 X 20
 -PLY ----- 14
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 512
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS):

-MAIN TANK ----- 225
 -AUX TANK ----- 225

BRAKES-

-PRIMARY TYPE ----- AIR, BRAKES
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- *1
 -REAR ----- *2

TRANSMISSION-

-TYPE ----- *3
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- *4

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

TANK BODY:

PUMP:

HOSES:

REMARKS:

1/ LONGITUDINAL SEMIELLIPTICAL LEAF SPRINGS

2/ CENTRALIZER ARMY TYPE ON TWO

LONGITUDINAL SEMIELLIPTICAL LEAF SPRINGS

3/ MANUAL SYNCHRONIZER SET AT

20, 30, 4TH AND 5TH SPEEDS

4/ 24V TWO 12-V BATTERIES IN SERIES

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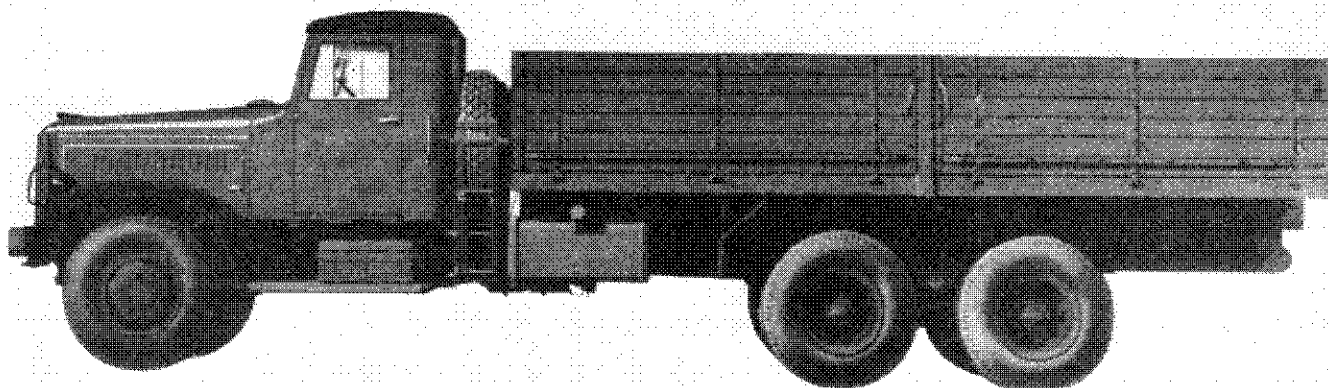
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-4-119-8
NOMEN: TRUCK CARGO 12-TON 6X4, KRAZ-257
PRODUCED/ADOPTED: 1965 TO DATE

CATALOG: TB-381-5-22
(OLD 2-2320-4-119)
COUNTRY: U.S.S.R.
DATE UPDATED: 36AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-4-119-8

NOMEN: TRUCK CARGO 12-TON 6X4, KRAZ-257

PRODUCED/ADOPTED: 1965 TO DATE

CATALOG: TB-381-5-22

(OLD 2-2320-4-119)

COUNTRY: U.S.S.R.

DATE UPDATED: 06AUG73

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U N C L A S S I F I E D

FORM-2320-2-5-4-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK, TRACTOR, 4X2, MAZ-200V

(OLD 2-2320-5-4)

NATIVE DES: AVTOMOBILI TYAGACHI MAZ-200V
PRODUCED/ADOPTED: 1952-1966/

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE MAZ-200V IS THE TRUCK TRACTOR VERSION OF THE MAZ-200. THE CLUTCH, TRANSMISSION, FRONT AND REAR AXLES, SUSPENSION AND BRAKES ARE THE SAME AS THE MAZ-200'S. HOWEVER, THE MAZ-200V DIFFERS FROM THE MAZ-200 MAINLY IN A DIESEL ENGINE OF GREATER HORSEPOWER, A RADIATOR OF INCREASED COOLING CAPACITY, AN AUXILIARY FUEL TANK AND EXTRA SPARE WHEEL, INCREASED REAR-AXLE RATIO AND THE FIFTH WHEEL MOUNTING.

(U)DESIGNED FOR INTERURBAN TRANSPORTATION OF BULKY CARGO OVER HARD-SURFACED ROADS, THE MAZ-200V SADDLE TRUCK USUALLY TOWS THE MAZ-521B SEMITRAILER. THE COMBINATION IS KNOWN AS THE MAZ-200V-521B.

(U)CARE MUST BE TAKEN TO DISTINGUISH THE MAZ-200V FROM THE CLOSELY RELATED 4 X 4 MAZ-502 TRUCK TRACTOR. THE MAZ-200V HAS BEEN SUPERSEDED BY THE NEW MAZ-504.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2320-2-5-4-A
 NOMEN: TRUCK, TRACTOR, 4X2, MAZ-200V

CATALOG: TB-381-5-22
 (OLD 2-2320-5-4)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1952-1966/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 6560
 -PAYLOAD OFF HWY ----- N/A
 -PAYLOAD ON HWY ----- N/A
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 13985
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 3390
 -EMPTY REAR ----- 3170
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 3785
 -LOADED REAR ON HWY - 10,200
 PERSONNEL LOAD (NR) ----- 3 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 16,500
 MAX SEMITRAILER (KG)-
 -GROSS ----- 16,500

VEHICLE DIMENSIONS (MM):

LENGTH O/FALL ----- 6495
 WIDTH O/FALL ----- 2638
 HEIGHT O/FALL ----- 2430
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 1950
 -REAR ----- 1920
 WHEELBASE ----- 4520
 GROUND CLEARANCE ----- 290
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- 1370

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 10,100
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 44
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 1020
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 55
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- 40
 ANGLE OF DEPARTURE (DEG) --- 43
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

REMARKS:

ENGINE:

MODEL ----- YAAZ-M204V
 TYPE ----- 4 CYLINDER, IN-LINE, 2 CYC
 MAX HP AT RPM ----- 135 @ 2300
 MAX TORQUE (KGM) ----- 51 AT 1400-1700
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 108
 STROKE (MM) ----- 127
 DISPLACEMENT (LITERS) 4.65

FOM NR ----- 2815-2-1-1

GENERAL DATA:

TIRES-
 -SIZE ----- 12.00 X 20
 -PLY ----- 14
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 532
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 225
 -AUX TANK ----- 225
 BRAKES-
 -PRIMARY TYPE ----- AIR OPERATED
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

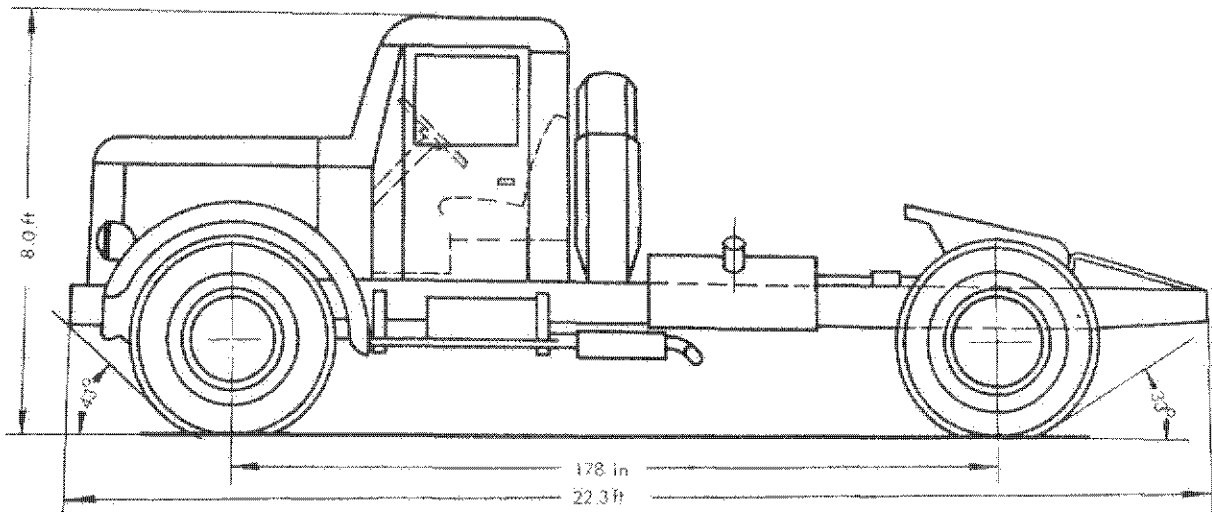
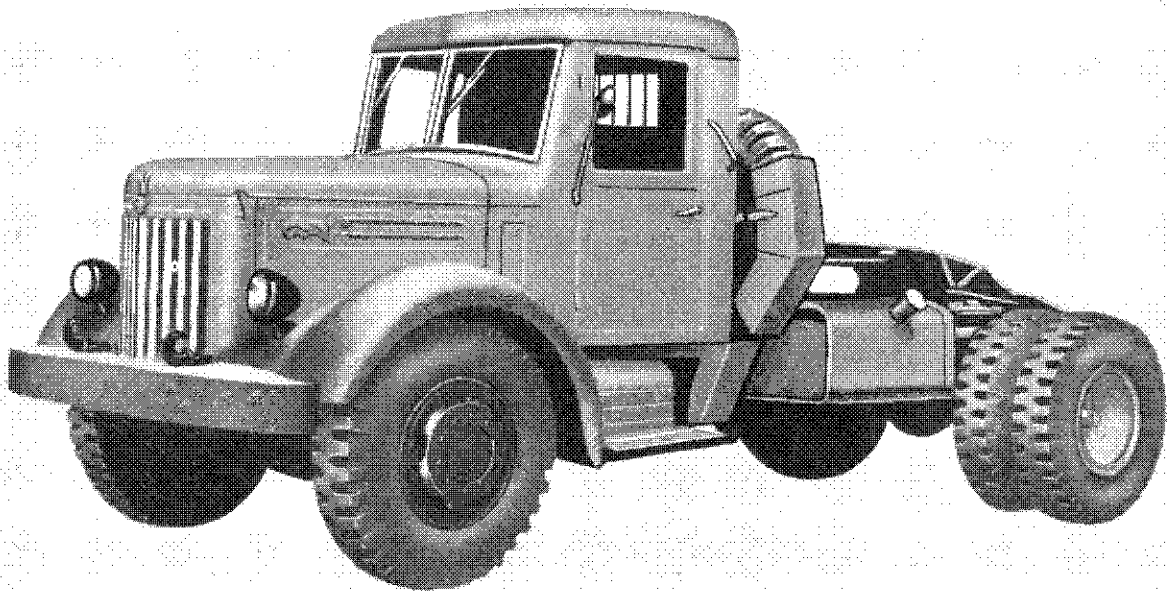
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-4-8
NOMEN: TRUCK; TRACTOR; 4X2; MAZ-200V
PRODUCED/ADOPTED: 1952-1966/

CATALOG: TS-381-5-22
(OLD 2-2320-5-4)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOH-2320-2-5-4-B
NOMEN: TRUCK, TRACTOR, 4X2, MAZ-200V
PRODUCED/ADOPTED: 1952-1966/

CATALOG: TB-381-5-22
(OLD 2-2320-5-4)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-6-A

CATALOG: 78-381-5-22

NOMEN: TRUCK, TRACTOR, 4X4, GAZ-63D

(OLD: 2-2320-5-6)

NATIVE DES: AVTOMOBILI, TYAGACHI GAZ-63D

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1958 - 1968/

DATE UPDATED: 30AUG73

(THE GAZ-63D IS THE TRUCK TRACTOR VERSION OF THE GAZ-63 AND IS MANUFACTURED BY THE GOR'KIY MOTOR VEHICLE PLANT. PRODUCTION CONTINUED FROM 1958 TO 1968. DESIGNED FOR HAULING SEMI-TRAILERS UP TO 4-TON CAPACITIES ON ALL TYPES OF ROADS, INCREASING NUMBERS OF THIS TRUCK WILL PROBABLY BE USED IN THE SOVIET ARMY. THIS VEHICLE HAS A POWER TAKEOFF AND A MECHANICAL LEAD FOR ACTUATING THE LIFTING MECHANISM OF THE SEMI-TRAILER DUMP SYSTEM.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-6-A
NOMEN: TRUCK, TRACTOR, 4X4, GAZ-630

CATALOG: TB-381-5-22
(OLO 2-2320-5-6)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1958 - 1968/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 2730
-PAYLOAD OFF HWY ----- N/A
-PAYLOAD ON HWY ----- N/A
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- ?
-GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
-EMPTY REAR ----- ?
-LOADED FRONT OFF HWY -- ?
-LOADED REAR OFF HWY -- ?
-LOADED FRONT ON HWY -- ?
-LOADED REAR ON HWY -- ?

PERSONNEL LOAD (NR) ----- 2 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
-ON HWY ----- *1

MAX SEMITRAILER (KG)-

-GROSS ----- 6000

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 4950
WIDTH O/ALL ----- 2110
HEIGHT O/ALL ----- 2220
CARGO SPACE-

-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1520
-REAR ----- 1650

WHEELBASE ----- 3300

GROUND CLEARANCE ----- 250

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 28%
TURNING RADIUS (MM) ----- 8000
FORDING DEPTH (MM) ----- 790
FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 36
-WATER (L/HRI) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 544
-WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 60
-WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- 48 DEG

ANGLE OF DEPARTURE (DEG) --- 54

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- GAZ-51
TYPE ----- 6 CYL, 4 CYCLE
MAX HP AT RPM ----- 70 AT 2800
MAX TORQUE (KGM) ----- 20.5 AT 1500-1700
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 82
STROKE (MM) ----- 110
DISPLACEMENT (LITERS) 3.48

FOM NR ----- FOM-2805-2-1-9

GENERAL DATA:

TIRES-

-SIZE ----- 7.50 X 20
-PLY ----- 8
-TYPE ----- ?
-LOADED RADIUS (MM) - 443
-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 90
-AUX TANK ----- 105

BRAKES-

-PRIMARY TYPE ----- #2
-PARKING TYPE ----- MECH ACTUATOR ON TRANS

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
-AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

1/ 4000 LB (PAVED) 2000 (UNPAVED)
2/ HYDROVACUUM POWER, ASSISTED

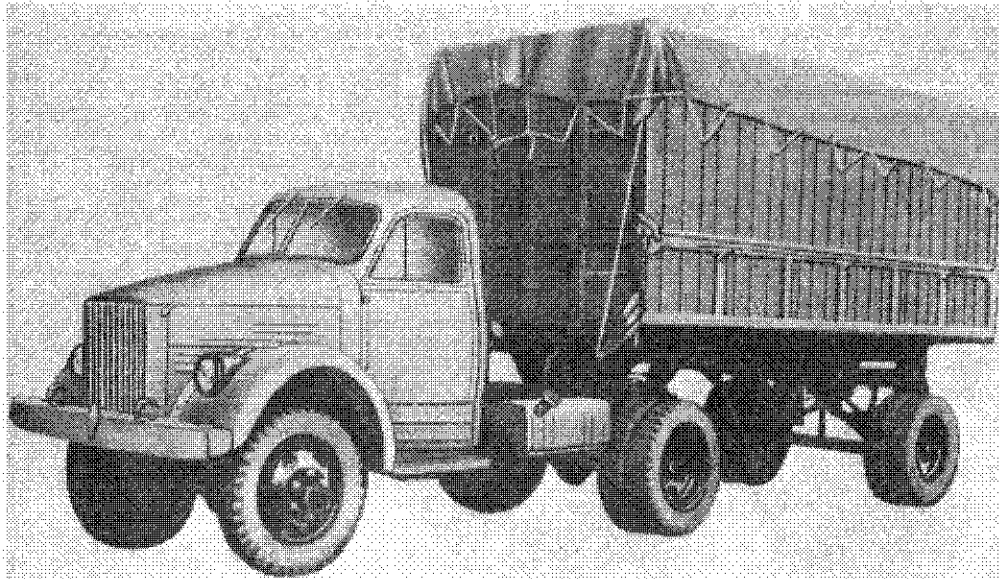
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-6-B
NOMEN: TRUCK, TRACTOR, 4X4, GAZ-63D
PRODUCED/ADOPTED: 1958 - 1968/

CATALOG: TB-381-S-22
(OLD 2-2320-5-61)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-6-8
NOMEN: TRUCK, TRACTOR, 4X4, GAZ-63D
PRODUCED/ADOPTED: 1958 - 1966/

CATALOG: TB-381-5-22
(OLD 2-2320-5-6)
COUNTRY: U.S.S.R.
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-8-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, TRACTOR, 6X4, KRAZ -221

(OLD 2-2320-5-8)

NATIVE DES: AVTOMOBILI, TYAGACHI KRAZ-221
PRODUCED/ADOPTED: 1959 TO 1963

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE KRAZ-221 IS THE REPLACEMENT FOR THE YAAZ-2100. A TRUCK TRACTOR VERSION OF THE KRAZ-219, IT IS USED AS A HEAVY PRIME MOVER FOR CARGO AND TANK SEMITRAILERS OF VARIOUS DESIGN WHERE CROSS-COUNTRY ABILITY IS NOT REQUIRED.

(U)THE KRAZ-221 WAS ORIGINALLY PRODUCED AT THE Yaroslavl AUTOMOTIVE PLANT WHERE IT WAS KNOWN AS THE YAAZ-221. IN 1959 PRODUCTION SHIFTED TO THE KREMENCHUG AUTOMOTIVE PLANT, AND THE CURRENT MODEL DESIGNATION WAS ADOPTED.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-8-A
 NOMEN: TRUCK, TRACTOR, 6X4, KRAZ -221

CATALOG: TB-381-5-22
 (OLD 2-2320-5-8)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1959 TO 1963

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 10,100
 -PAYLOAD OFF HWY ----- N/A
 -PAYLOAD ON HWY ----- N/A
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 22325
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 4250
 -EMPTY REAR ----- 5850
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 4600
 -LOADED REAR ON HWY - 8860
 PERSONNEL LOAD (NR) ----- 3 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- *1
 MAX SEMITRAILER (KG)-
 -GROSS ----- *1

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7375
 WIDTH O'ALL ----- 2638
 HEIGHT O'ALL ----- 2620
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 4780
 GROUND CLEARANCE ----- 290
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- *2
 TURNING RADIUS (MM) ----- ?
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 85
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 530
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- *3
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- YAAZ - M206A
 TYPE ----- 6 CYLINDER IN-LINE 2 CYCLE
 MAX HP AT RPM ----- 180 AT 2000
 MAX TORQUE (KGM) ----- 72 AT 1200-1400
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 108
 STROKE (MM) ----- 127
 DISPLACEMENT (LITERS) 6.7

FOM NR ----- 2815-2-1-2

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 X 20
 -PLY ----- 14
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 532
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 225
 -AUX TANK ----- 225

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) --- ?

REMARKS:

1/ THE TOWED LOAD IS 30,000 KG ON PAVED ROADS
 AND 15,000 ON UNPAVED ROADS. PERMISSIBLE
 LOAD ON FIFTH WHEEL IS 12,000 ON PAVED
 ROADS, AND 10,000 ON UNPAVED ROADS.
 2/ 20% W/SEMI-TRAILER (9100 LOAD)
 3/ THE MAXIMUM ROAD SPEEDS, LOADED IS
 47 KM/HR PULLING A LOADED
 SEMITRAILER (30,000 KG) ON PAVED ROADS.

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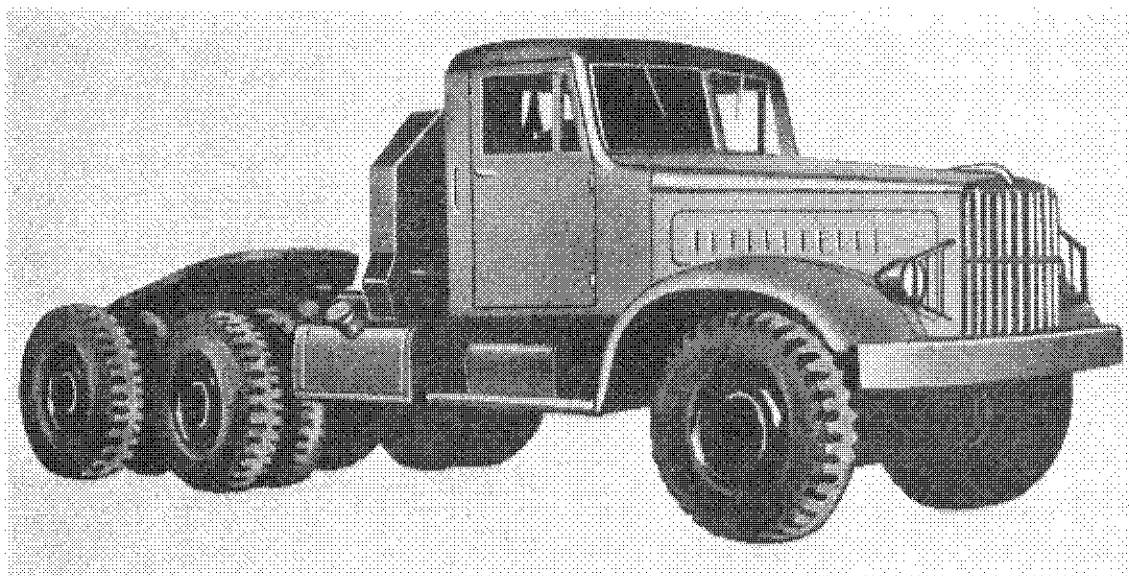
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U N C L A S S I F I E D

FOM-2320-2-5-8-8
NOMEN: TRUCK, TRACTOR, 6X4, KRAZ -221

PRODUCED/ADOPTED: 1959 TO 1963

CATALOG: TB-381-S-22
(OLD 2-2320-5-8)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

FOM-2320-2-5-8-8
NOMEN: TRUCK, TRACTOR, 6X4, KRAZ -221
PRODUCED/ADOPTED: 1959 TO 1963

CATALOG: TB-381-9-22
(OLD 2-2320-5-8)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FUM-2320-2-5-9-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TRACTOR, 4X2, GAZ-53P

(OLO 2-2320-5-9)

NATIVE DES: AVTOMOBILI, TYAGACHI GAZ-53P
PRODUCED/ADOPTED: 1965 TO DATE

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE GAZ-53P PRIME MOVER IS INTENDED FOR TOWING SEMITRAILERS OF MEDIUM WEIGHT OVER GOOD ROADS. IT IS THE 4 X 2 TRUCK TRACTOR VERSION OF A FAMILY OF NEW TRUCKS DESTINED TO REPLACE THE CURRENT OUTPUT OF GAZ-51 AND GAZ-63 MODELS. AN INTERIM MODEL TRUCK INCORPORATING THE CAB, FRAME AND OTHER NEW COMPONENTS, THE GAZ-53P REPORTEDLY WENT INTO PRODUCTION IN 1965.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-9-A
NOMEN: TRUCK, TRACTOR, 4X2, GAZ-53P

CATALOG: TB-381-5-22
(OLD 2-2320-5-9)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1965 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 2425
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- ?
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- ?
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- ?
-EMPTY REAR ----- ?
-LOADED FRONT OFF HWY -- ?
-LOADED REAR OFF HWY -- ?
-LOADED FRONT ON HWY -- ?
-LOADED REAR ON HWY -- ?
PERSONNEL LOAD (NR) ----- 3 IN CAB
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- 8000
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 4656
WIDTH O/ALL ----- 2250
HEIGHT O/ALL ----- 2290
CARGO SPACE-
-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A
TREAD, C TO C-
-FRONT ----- 1630
-REAR ----- 1690
WHEELBASE ----- 2900
GROUND CLEARANCE ----- 270
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL -- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 40%
TURNING RADIUS (MM) ----- ?
FORDING DEPTH (MM) ----- 640
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 22
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 400
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 70
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- 41 DEG
ANGLE OF DEPARTURE (DEG) --- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- GAZ-53A
TYPE ----- V-8, 4 CYCLE
MAX HP AT RPM ----- 115 AT 3200
MAX TORQUE (KGM) ----- 29 AT 2000-2500
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 92
STROKE (MM) ----- 80
DISPLACEMENT (LITERS) 4.25
FOM NR ----- ?

GENERAL DATA:

TIRES-
-SIZE ----- 8.25 X 20
-PLY ----- 10
-TYPE ----- ?
-LOADED RADIUS (MM) - 460
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 86
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- *1
-PARKING TYPE ----- MECH ACTUATOR ON TRANS
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS
TRANSMISSION-
-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 4/1
TRANSFER, NR SPEEDS --- N/A
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 12V
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

TANK BOOY:

PUMPS:

HOSES:

REMARKS:

1/ HYDRAULIC, AIR ASSISTED

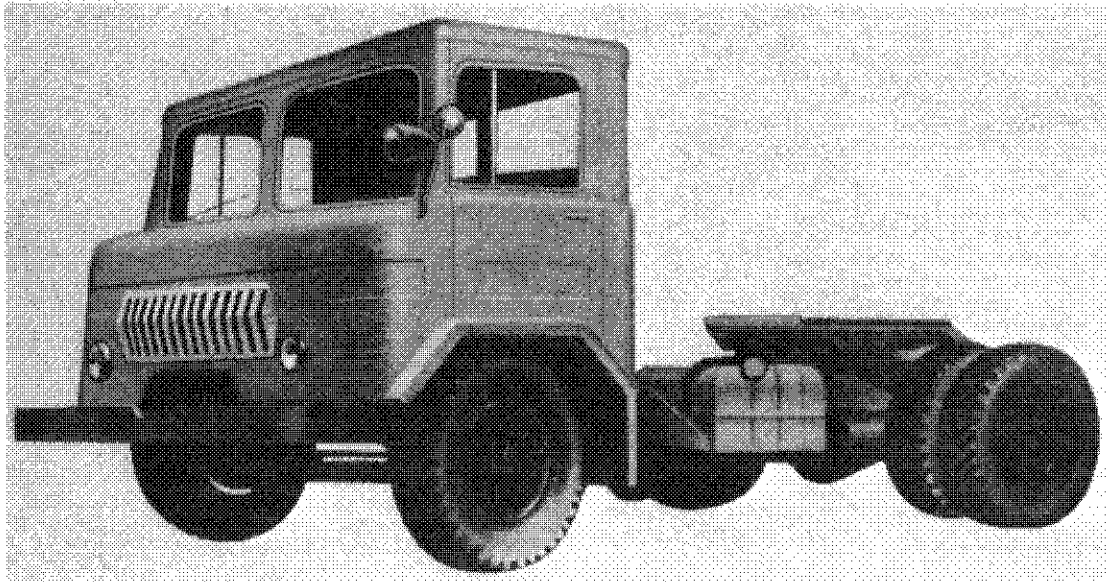
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-9-B
NOMEN: TRUCK, TRACTOR, 4X2, GAZ-53P
PRODUCED/ADOPTED: 1965 TO DATE

CATALOG: TB-381-5-22
(OLD 2-2320-5-9)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOH-2320-2-5-9-8

NOMEN: TRUCK, TRACTOR, 4X2, GAZ-53P

PRODUCED/ADOPTED: 1965 TO DATE

CATALOG: TB-381-5-22

(OLD Z-2320-5-9)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2320-2-5-10-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, TRACTOR, 4X2, ZIL-164AN

(OLD 2-2320-5-10)

NATIVE DES: AVTOMOBILI, TYAGACHI ZIL-164AN
PRODUCED/ADOPTED: 1957-1965/

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE ZIL-164N IS THE TRUCK TRACTOR VERSION OF THE ZIL-164 TRUCK SERIES AND IS USED TO HAUL SEMI-TRAILERS OF VARIOUS DESIGNS. IN OCTOBER 1961 THE ZIL-164A REPLACED THE ZIL-164 SERIES IN PRODUCTION, AND THE CORRESPONDING TRUCK TRACTOR ZIL-MMZ-164AN REPLACED THE ZIL-MMZ-164N. THE NEW MODELS INCORPORATE SOME OF THE COMPONENTS OF THE ZIL-130 FAMILY OF TRUCKS. THE ZIL-130 V1 TRUCK REPLACED THE ZIL-164 AN IN 1965.

(U)INCREASED PRODUCTION AND USE OF THIS TRUCK TRACTOR WAS FAVORED BY SOVIET AUTHORITIES BECAUSE OF ITS ECONOMY AS COMPARED TO OTHER CARGO VEHICLES OF THE LATE 1950'S. THE ZIL-164AN IS PROBABLY USED FOR MEDIUM DISTANCE TRANSPORT IN AREAS SERVED BY HARD-SURFACED ROADS.

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U N C L A S S I F I E D

FQM-2320-2-5-10-A
NOMEN: TRUCK, TRACTOR, 4X2, ZIL-164AN

CATALOG: TS-381-5-22
(OLD 2-2320-5-10)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1957-1965/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 3775
-PAYLOAD OFF HWY ----- N/A
-PAYLOAD ON HWY ----- N/A
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- N/A
-GROSS ON HWY ----- 7840
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 1900
-EMPTY REAR ----- 1875
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY - 2260
-LOADED REAR ON HWY - 5580
PERSONNEL LOAD (NR) - 3 IN CAB
MAX TOWED LOAD (KG)-
-OFF HWY ----- 2
-ON HWY ----- 9500
MAX SEMITRAILER (KG)-
-GROSS ----- 9500 *1

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5680
WIDTH O/ALL ----- 2300
HEIGHT O/ALL ----- 2180
CARGO SPACE-
-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A
TREAD, C TO C-
-FRONT ----- 1700
-REAR ----- 1740
WHEELBASE ----- 4,000
GROUND CLEARANCE ----- 265
PINTLE HEIGHT ----- N/A
HGT TO C. OF 5TH WHL - 1255 (UNLOADED)

PERFORMANCE:

MAX GRADIENT LOADED (PCT) - ?
TURNING RADIUS (MM) ----- ?
FORDING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 27
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 1110
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 55
-WATER ----- N/A
ANGLE OF APPROACH (DEG) - 30
ANGLE OF DEPARTURE (DEG) - 56
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY (MM) ?

REMARKS:

1/ MAXIMUM FIFTH WHEEL LOAD
IS 3840 KG

2/ 6 CYLINDER, IN-LINE, L-HEAD

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ENGINE:

MODEL ----- ZIL-164A
TYPE ----- *2
MAX HP AT RPM ----- 100 AT 2800
MAX TORQUE (KGM) - 33 AT 1100-1400
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 101.6
STROKE (MM) ----- 114.3
DISPLACEMENT (LITERS) 5.55

FQM NR ----- 2805-2-1-11

GENERAL DATA:

TIRES-
-SIZE ----- 9.00 X 20
-PLY ----- 10
-TYPE ----- ?
-LOADED RADIUS (MM) - 490
-INFLATION SYSTEM - N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 150
-AUX TANK ----- 150
BRAKES-
-PRIMARY TYPE ----- AIR-ALL WHEELS
-PARKING TYPE ----- MECHANICAL (MOUNTED ON T
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS
TRANSMISSION-
-TYPE ----- MECHANICAL
-NR SPEEDS FWD/RVSE - 5/1
TRANSFER, NR SPEEDS - N/A
LOCKING DIFFERENTIAL-
-MANUAL ----- N/A
-AUTOMATIC ----- N/A
ELEC SYSTEM (VOLTS) - 12V
WINCH-TYPE ----- N/A
-CAPACITY (KG) ----- N/A
-CABLE LENGTH (MM) - N/A

U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-5-10-B

NOMEN: TRUCK, TRACTOR, 4X2, ZIL-164AN

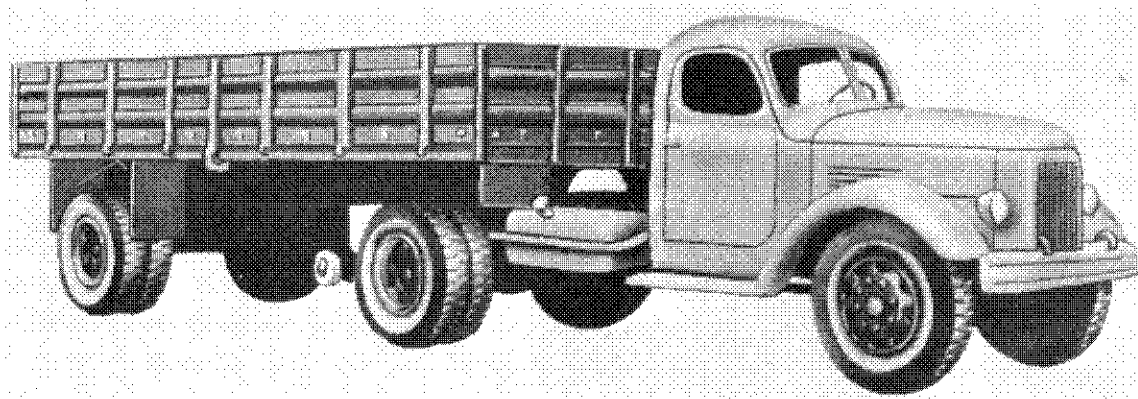
PRODUCED/ADOPTED: 1957-1965/

CATALOG: TB-381-5-22

(OLD 2-2320-5-10)

COUNTRY: U.S.S.R.

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U N C L A S S I F I E D

FORM-2320-2-5-10-8
NOMEN: TRUCK, TRACTOR, 4X2, ZIL-164AN
PRODUCED/ADOPTED: 1957-1965/

CATALOG: TB-381-5-22
(OLD 2-2320-5-10)
COUNTRY: U.S.S.R.
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U N C L A S S I F I E D

FOM-2320-2-5-11-A

U N C L A S S I F I E D

CATALOG: TR-381-5-22

NOMEN: TRUCK, TRACTOR, 4X2, KAZ-606A

(OLD 2-2320-5-11)

NATIVE DES: KAZ-606A "KOLKHIDA"
PRODUCED/ADOPTED: 1961-1968/

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE KAZ-606A IS THE TRUCK TRACTOR VERSION OF THE NEW KAZ-605 (FOM-2320-2-4-72) CARGO TRUCK. LIKE THE BASIC MODEL IT CAN BE READILY DISTINGUISHED BY THE CAB-OVER-ENGINE DESIGN. THE SOVIETS CREDIT IT WITH GREATER MANEUVERABILITY AND USEFULNESS THAN THEIR ZIL-164N IN MOUNTAINOUS TERRAIN AND IN HOT, DRY CLIMATES. BESIDES A SEAT FOR THE DRIVER AND PASSENGERS, THE CAB PROVIDES SLEEPING SPACE; THUS DRIVERS CAN ALTERNATE AND SLEEP DURING LONG TRIPS. THE FINAL PRODUCTION MODEL WILL BE POWERED WITH THE 150-HORSEPOWER ENGINE OF THE NEW ZIL-130 SERIES.

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FOM-2320-2-5-11-A
 NOMEN: TRUCK, TRACTOR, 4X2, KAZ-606A

CATALOG: T8-381-5-22
 (OLD 2-2320-5-11)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1961-1968/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 3866
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 8324
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2298
 -EMPTY REAR ----- 1570
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 2718
 -LOADED REAR ON HWY - 5606

PERSONNEL LOAD (NRT) ----- 4 IN CAB (SLEEPER CAB)

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- 9500

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 4905
 WIDTH O'ALL ----- 2300
 HEIGHT O'ALL ----- 2370

CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1770
 -REAR ----- 1740

WHEELBASE ----- 2800

GROUND CLEARANCE ----- 265

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- 1215

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 15%
 TURNING RADIUS (MM) ----- 6000
 FORDING DEPTH (MM) ----- ?

FUEL CONS., LOADED -

-ROAD (L/100KM) ----- 40
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 525
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 65
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- 30

ANGLE OF DEPARTURE (DEG) --- 55

VERTICAL OBSTACLE (MM) ----- 2

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- KAZ-606A
 TYPE ----- 6 CYL IN-LINE, 4 CYCLE
 MAX HP AT RPM ----- 100 AT 2800
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 101.6
 STROKE (MM) ----- 114.3
 DISPLACEMENT (LITERS) 5.55

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 260 X 20
 -PLY ----- 12
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 485
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 105
 -AUX TANK ----- 105

BRAKES-

-PRIMARY TYPE ----- AIR, ALL WHEELS
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC LEAF SPRING
 -REAR ----- SEMIELLIPTIC LEAF SPRING

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) --- N/A

TANK BODY:

PUMPS:

HOSES:

REMARKS:

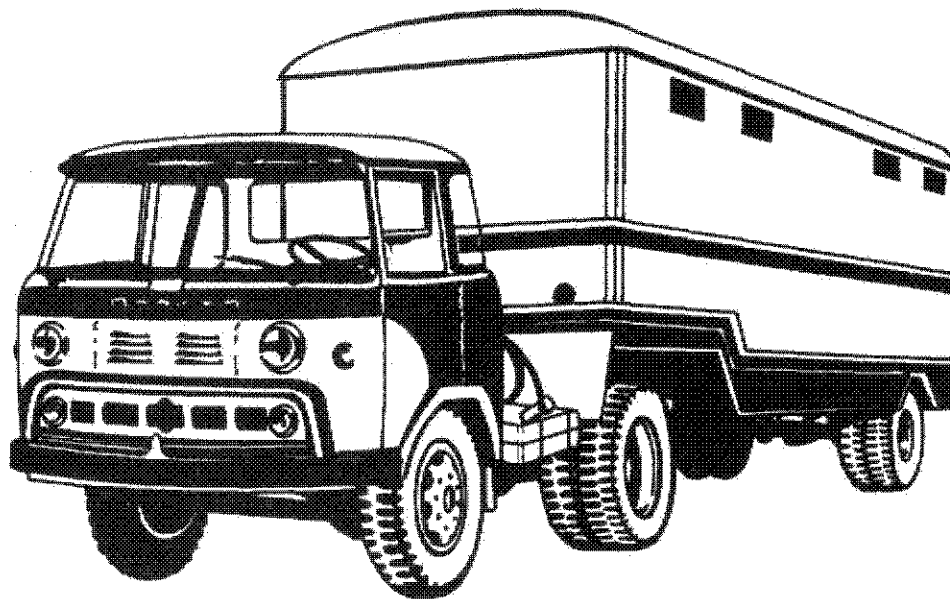
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U N C L A S S I F I E D

FOM-2320-2-5-11-8
NOMEN: TRUCK, TRACTOR, 4X2, KAZ-606A
PRODUCED/ADOPTED: 1961-1968/

CATALOG: T8-381-5-22
IOLD 2-2320-5-111
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

FDM-2320-2-5-11-B
NOMEN: TRUCK, TRACTOR, 4X2, KAZ-606A
PRODUCED/ADOPTED: 1961-1968/

CATALOG: TB-381-5-22
TOLD 2-2320-5-11)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-12-A

CATALOG: TB-381-S-22

NOMEN: TRUCK, TRACTOR, 4X2 GAZ-51P

(OQD 2-2320-5-12)

NATIVE DES: AVTOMOBILI, TYAGACHI GAZ-51P
PRODUCED/ADOPTED: 1956-DATE/

COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

(U)THE GAZ-51P IS THE 4 X 2 TRUCK TRACTOR VERSION OF A FAMILY OF GOR'KIY AUTOMOTIVE PLANT TRUCKS UTILIZING THE SAME BASIC ELEMENTS. THESE INCLUDE THE GAZ-51A 4 X 2 TRUCK, THE GAZ-63 4 X 4 TRUCK, AND THE GAZ-63D TRUCK TRACTOR. ENGINES, CABINS, AND TRANSMISSIONS ON THESE TRUCKS ARE THE SAME.

(U)THE SOVIET ARMY WILL PROBABLY USE THE GAZ-63D MORE READILY THAN THE GAZ-51P BECAUSE OF THE LIMITATIONS IMPOSED BY THE SINGLE-POWERED AXLE OF THE LATTER VEHICLE. NEVERTHELESS, BOTH TRUCKS MAY BE EXPECTED TO BE USED IN INCREASING NUMBERS. THE SOVIET TECHNICAL PRESS HAS STRESSED THE ECONOMIES EFFECTED THROUGH THE USE OF TRUCK TRACTOR AND TRAILER COMBINATIONS, AND THESE VEHICLES HAVE ALREADY BEEN APPEARING WITH GREATER FREQUENCY.

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U N C L A S S I F I E D

FOM-2320-2-5-12-A
NOMEN: TRUCK, TRACTOR, 4X2 GAZ-51P

CATALOG: TB-381-5-22
(OLD 2-2320-5-12)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1956-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 2485
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- *1
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 5125
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 1285
-EMPTY REAR ----- 1200
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY -- 1510
-LOADED REAR ON HWY --- 3615
PERSONNEL LOAD (NR) ---- 2 IN CAB
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- ?
MAX SEMITRAILER (KG)-
-GROSS ----- 6000

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 4940
WIDTH O'ALL ----- 2110
HEIGHT O'ALL ----- 2130
CARGO SPACE-
-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A
TREAD, C TO C-
-FRONT ----- 1585
-REAR ----- 1650
WHEELBASE ----- 3300
GROUND CLEARANCE ----- 245
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- 1130

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
TURNING RADIUS (MM) ----- 7600
FORDING DEPTH (MM) ----- ?
FUEL CONS. LOADED -
-ROAD (L/100KM) ----- 34
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 580
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 60
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- 40 DEG
ANGLE OF DEPARTURE (DEG) --- 53
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM): ?

REMARKS:

2/ HYDRAULIC W/VACUUM BOOSTER

ENGINE:

MODEL ----- GAZ-51
TYPE ----- 6 CYL, 4 CYCLE
MAX HP AT RPM ----- 70 AT 2800
MAX TORQUE (KGM) ----- 20.5 AT 1500-1700
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE -
BORE (MM) ----- 82
STROKE (MM) ----- 110
DISPLACEMENT (LITERS) 3.48

FOM NR ----- 2805-2-1-9

GENERAL DATA:

TIRES-
-SIZE ----- 7.50 X 20
-PLY ----- 8
-TYPE ----- ?
-LOADED RADIUS (MM) - 443
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 90
-AUX TANK ----- 105
BRAKES-
-PRIMARY TYPE ----- *2
-PARKING TYPE ----- MECH ACTUATOR ON TRANS
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS
TRANSMISSION-
-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 4/1
TRANSFER, NR SPEEDS --- N/A
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 12.V
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

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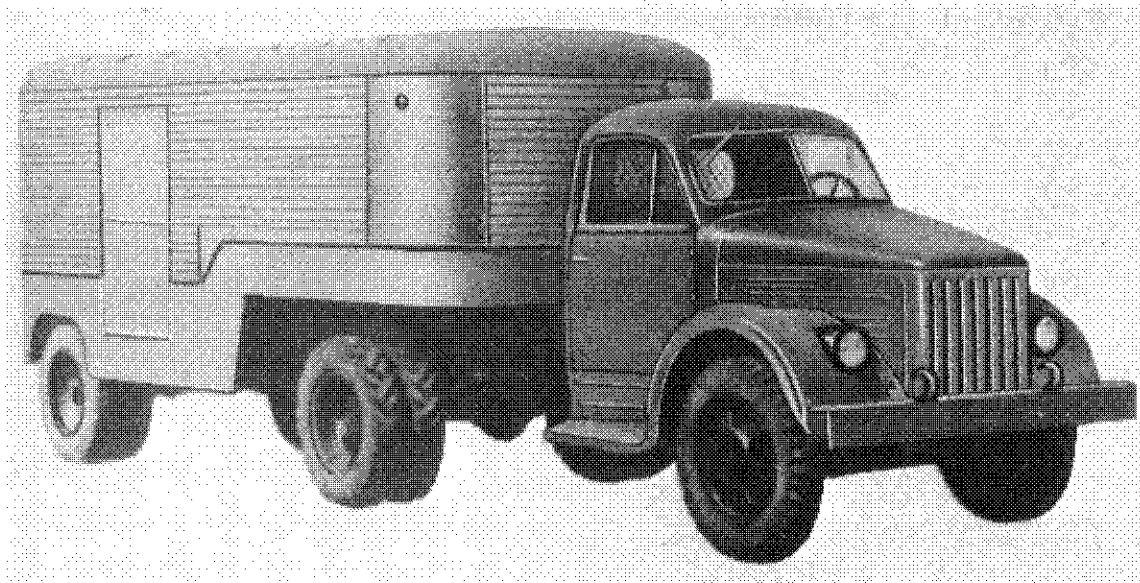
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FORM-2320-2-5-12-8
NOMEN: TRUCK, TRACTOR, 4X2 GAZ-51P

CATALOG: TB-381-5-22
TOLD 2-2320-5-12J
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1956-DATE/



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U N C L A S S I F I E D

FOM-2320-2-5-12-B

NOMEN: TRUCK, TRACTOR, 4X2 GAZ-51P

PRODUCED/ADOPTED: 1956-DATE/

CATALOG: T8-381-5-22
IOLD 2-2320-5-12)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

FOM-2320-2-5-14-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK, TRACTOR, 8XB, MAZ-537

(OLD 2-2320-5-14)

NATIVE DES: GRUZOVY TYAGAU MAZ-537

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: ?

DATE UPDATED: 30AUG73

(U)THE MAZ 537 IS DESIGNED TO TOW SEMITRAILER-MOUNTED HEAVY WEAPONS SYSTEMS AND ENGINEER EQUIPMENT UP TO 50 TONS IN GROSS WEIGHT. ALONG WITH THE CHMZAP-5247 SEMITRAILER, IT IS THE CURRENT SOVIET ARMY HEAVY EQUIPMENT TRANSPORTER. MODIFICATIONS TO THE BASIC MAZ 537 ARE ALSO IN EXISTENCE. THESE INCLUDE THE MAZ-537A, A BALLAST TRUCK MOUNTING A WINCH FOR TOWING FULL TRAILERS OF UP TO 75 TONS CAPACITY, THE MAZ-537G, A FIFTH-WHEEL TRUCK TRACTOR WITH A RECOVERY WINCH FOR TOWING A SEMITRAILER OF UP TO 68 TONS CAPACITY AND THE MAZ-537D, A FIFTH WHEEL TRUCK TRACTOR WITH A GENERATOR PLANT FOR TOWING A SEMITRAILER UP TO 65 TONS CAPACITY.

(U)THE MAZ-537 INCORPORATES A TORQUE CONVERTER TRANSMISSION WITH AN INTEGRAL 3-SPEED PLANETARY GEARBOX. DOUBLE-REDUCTION FINAL DRIVES AND A POWER DIVIDER ARRANGEMENT DRIVE INDIVIDUAL WHEELS.

(U)THE FRONT WHEELS INCORPORATE AN INDEPENDENT TORSION BAR SUSPENSION SYSTEM WHILE THE REAR SUSPENSION IS OF AN UNSPRUNG ROCKER-TYPE DESIGN. THE FRONT AXLES ARE STEERABLE. SERVICE BRAKES ON ALL EIGHT WHEELS ARE INTERNAL EXPANDING AIR-OVER HYDRAULIC.

(U)THE PRIME MOVER IS POWERED BY A V-12, LIQUID COOLED ENGINE LOCATED BEHIND THE DRIVERS COMPARTMENT OVER THE TWO FRONT AXLES. THIS SAME BASIC ENGINE POWERS SOVIET T54 AND T55 MEDIUM

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-14-A
 NOMEN: TRUCK, TRACTOR, 8XB, MAZ-537

CATALOG: TB-381-5-22
 (OLD 2-2320-5-14)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ?

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 22000
 -PAYLOAD OFF HWY ----- *1
 -PAYLOAD ON HWY ----- *2
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 87000
 -GROSS ON HWY ----- 87,000
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- (PAIR) 13830
 -EMPTY REAR ----- (PAIR) 7970
 -LOADED FRONT OFF HWY -- 17070 (PAIR)
 -LOADED REAR OFF HWY -- 28720 (PAIR)
 -LOADED FRONT ON HWY -- 17070 (PAIR)
 -LOADED REAR ON HWY -- 28720 (PAIR)

PERSONNEL LOAD (NR) ---- 4 IN CAB INCL DRIVER

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- 65000

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8960
 WIDTH O'ALL ----- 2885
 HEIGHT O'ALL ----- 3100
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 2200
 -REAR ----- 2200
 WHEELBASE ----- *3
 GROUND CLEARANCE ----- 500
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- 1925

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 30%
 TURNING RADIUS (MM) ----- 15,500
 FORDING DEPTH (MM) ----- 1000
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 125
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 650
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 55
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- D12A-525
 TYPE ----- ?
 MAX HP AT RPM ----- 525 AT 2100
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 18.00 X 24
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 420
 -AUX TANK ----- 420

BRAKES-

-PRIMARY TYPE ----- AIR OVER HYDRAULIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- INDEPENDENT TORSION BAR
 -REAR ----- UNSPRUNG, ROCKER TYPE

TRANSMISSION-

-TYPE ----- TORQUE CONVERTER
 -NR SPEEDS FWD/RVSE - 3/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24V (2X12V BATT)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) --- ?

TANK BODY:

PUMP:

HOSES:

REMARKS:

1/ 25014 KG
 2/ 25014 KG
 3/ FRONT WHEEL TO REAR WHEEL 6050 MM

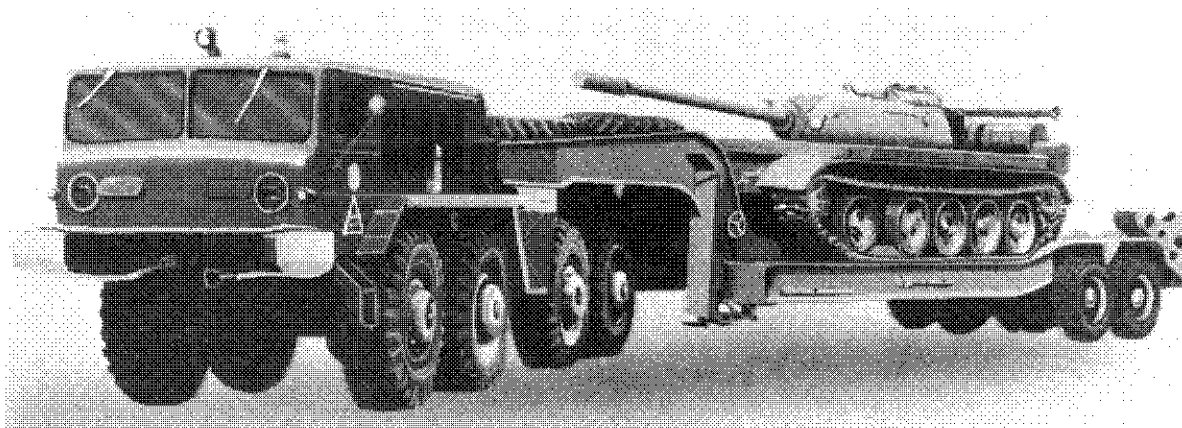
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-5-14-8
NDMEN: TRUCK, TRACTOR, 8X8, MAZ-537
PRODUCED/ADOPTED: ?

CATALOG: TB-381-5-22
(OLD 2-2320-5-14)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-2-5-14-B
NOMEN: TRUCK, TRACTOR, 8X8, MAZ-537
PRODUCED/ADOPTED: ?

CATALOG: TB-381-5-22
(OLD 2-2320-5-14)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-Z-5-15-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TRACTOR, 6X4, ZIL 133V

(OLD 2-2320-5-15)

NATIVE DES: AVTOMOBILI, TYAGACHI ZIL-133V
PRODUCED/ADOPTED: PROTOTYPE/

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(THE ZIL-133V, IS THE TRUCK-TRACTOR VERSION OF THE PLANNED ZIL-133 (FOM-2320-Z-4-97) FAMILY. DERIVED FROM THE SHORT WHEELBASE VERSION, IT IS DESIGNED TO OPERATE ON HARD-SURFACE ROADS. THE TRANSMISSION, DRIVESHAFTS, WHEELS, AND TIRES, FRONT AXLE AND FRONT SUSPENSION, STEERING ASSEMBLY ELECTRICAL SYSTEM, INSTRUMENTATION, AND THE DRIVER'S COMPARTMENT WITH FENDERS AND TRIM OF THE ZIL-130 ARE ALSO USED IN THE ZIL-133V.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-5-15-A
NOMEN: TRUCK, TRACTOR, 6X4, ZIL 133V

CATALOG: TB-381-5-22
(OLD 2-2320-5-15)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: PROTOTYPE/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 6350
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- *1
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 16,500
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 2670
-EMPTY REAR ----- 3680
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY - 3800
-LOADED REAR ON HWY - 12700
PERSONNEL LOAD (NR) ----- 3 IN CAB
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- 19,000
MAX SEMITRAILER (KG)-
-GROSS ----- 19,000

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6325
WIDTH O/ALL ----- 2480
HEIGHT O/ALL ----- 2400
CARGO SPACE-
-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A
TREAD, L TO C-
-FRONT ----- ?
-REAR ----- ?
WHEELBASE ----- 4780 ?
GROUND CLEARANCE ----- 290
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
TURNING RADIUS (MM) ----- 8500
FORDING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 52
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 960
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 86
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- ?
ANGLE OF DEPARTURE (DEG) ---- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ZIL-133
TYPE ----- V-8 OHV
MAX HP AT RPM ----- 220 AT 3600
MAX TORQUE (KGM) ----- ?
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- ?
STROKE (MM) ----- ?
DISPLACEMENT (LITERS) ?
FOM NR ----- ?

GENERAL DATA:

TIRES-
-SIZE ----- 9.00 X 20
-PLY ----- 10
-TYPE ----- ?
-LOADED RADIUS (MM) - 493
-INFLATION SYSTEM --- ?
FUEL CAP (LITERS)-
-MAIN TANK ----- 250
-AUX TANK ----- 250
BRAKES-
-PRIMARY TYPE ----- PNEUMATIC
-PARKING TYPE ----- ?
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- *2
TRANSMISSION-
-TYPE ----- *3
-NR SPEEDS FWD/RVSE - 5/1
TRANSFER, NR SPEEDS --- ?
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 12
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

1/ 10,000 SEMITRAILER LOAD THRUST ON
TRUCK-TRACTOR FIFTH WHEEL IS BASED ON GROSS
WEIGHT OF ODAZ SEMITRAILER VAN.
2/ INVERTED SEMIELLIPTIC SPRINGS
3/ MANUAL, 2D, 3D, 4TH AND 5TH SPEEDS ARE
SYNCHRONIZED.

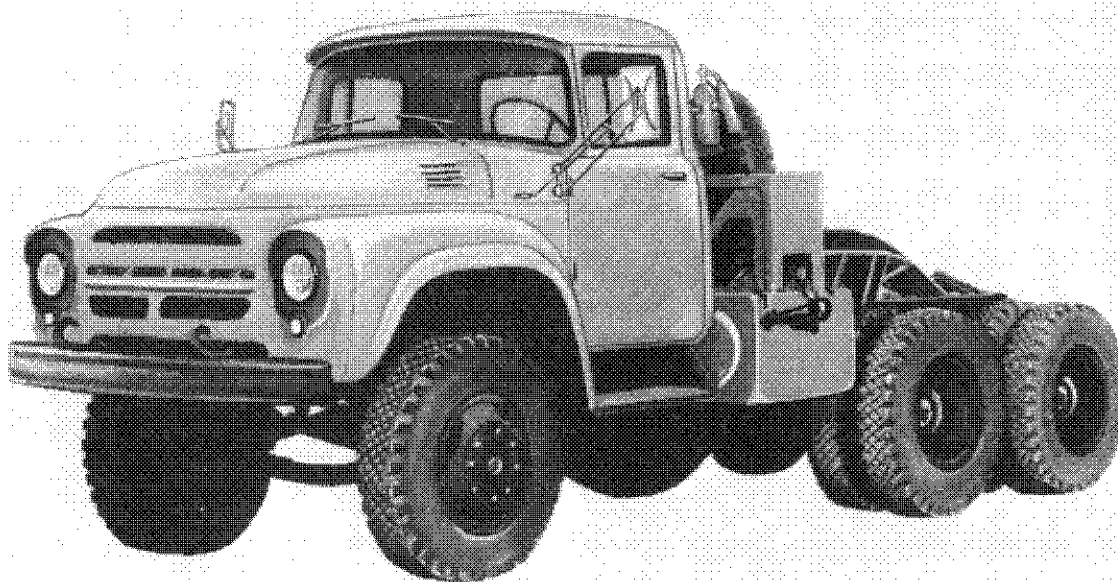
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U N C L A S S I F I E D

FOM-2320-2-9-15-8
NOMEN: TRUCK, TRACTOR, 6X4, ZIL 133V
PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: T6-381-5-22
(OLD 2-2320-5-15)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-2-5-15-B
NOMEN: TRUCK, TRACTOR, 6X4, ZIL 133V

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22
(OLD 2-2320-5-15)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-16-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TRACTOR, 6 X 4 KRAZ-258

(OLO 2-2320-5-16)

NATIVE DES: AVTOMOBILI, FYAGACHI KRAZ-258
PRODUCED/ADOPTED: 1958-DATE?

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE KRAZ-258 TRACTOR TRUCK MANUFACTURED BY THE KREMENCHUG MOTOR VEHICLE PLANT IS USUALLY SEEN IN COMBINATION WITH THE DDAZ-740 SEMITRAILER VAN. THIS TRACTOR TRUCK-SEMITRAILER COMBINATION IS UTILIZED TO TRANSPORT VARIOUS TYPES OF CARGO THAT MUST BE PROTECTED FROM THE WEATHER. THE PRIME MOVER IS A 3-AXLE (6 X 4) VEHICLE WITH DUAL REAR TIRES. THE SEMITRAILER, WITH TWO AXLES AND DUAL TIRES, IS MANUFACTURED BY THE ODESSA AUTOMOBILE ASSEMBLY WORKS, AND HAS A PAYLOAD CAPACITY OF 23,000 KG.

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U N C L A S S I F I E D

FOM-2320-2-5-16-A
NOMEN: TRUCK, TRACTOR, 6 X 4 KRAZ-258

CATALOG: Y8-381-5-22
(OLD 2-2320-5-16)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1958-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 9680
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- *1
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 21905
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 4150
-EMPTY REAR ----- 5530
-LOADED FRONT OFF HWY -- ?
-LOADED REAR OFF HWY -- ?
-LOADED FRONT ON HWY -- 4420
-LOADED REAR ON HWY -- 17485
PERSONNEL LOAD (NR) ----- 3 IN CAB
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- 30,000
MAX SEMITRAILER (KG)-
-GROSS ----- 30,000

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7375
WIDTH O/ALL ----- 2630
HEIGHT O/ALL ----- 2620
CARGO SPACE-
-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A
TREAD, C TO C-
-FRONT ----- 1950
-REAR ----- 1920
WHEELBASE ----- 4780
GROUND CLEARANCE ----- 290
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL -- 1383

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 21
TURNING RADIUS (MM) ----- 11,200
FORDING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 50
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 900
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 60
-WATER ----- N/A
ANGLE OF APPROACH (DEG) --- 42
ANGLE OF DEPARTURE (DEG) --- 54
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- YAMZ 238
TYPE ----- V-8, OHV, 4-CYCLE
MAX HP AT RPM ----- 240 AT 2100
MAX TORQUE (KGM) ----- 90 AT 1500
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 130
STROKE (MM) ----- 140
DISPLACEMENT (LITERS) 14.86

FOM NR ----- 2815-2-1-8

GENERAL DATA:

TIRES-
-SIZE ----- 12.00 X 20
-PLY ----- 14
-TYPE ----- ?
-LOADED RADIUS (MM) - 532
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 225
-AUX TANK ----- 225
BRAKES-
-PRIMARY TYPE ----- PNEUMATIC
-PARKING TYPE ----- MECHANICAL (MOUNTED ON T
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC (BOGIE MOUN
TRANSMISSION-
-TYPE ----- YAMZ-236C MANUAL
-NR SPEEDS FWD/RVSE - *2
TRANSFER, NR SPEEDS --- N/A
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 24 (2 X 12 BATT)
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

1/ VERTICAL THRUST OF FIFTH WHEEL 12,000 KG
2/ 5/1 (2,3,4, AND 5TH SYNCHROMESH)

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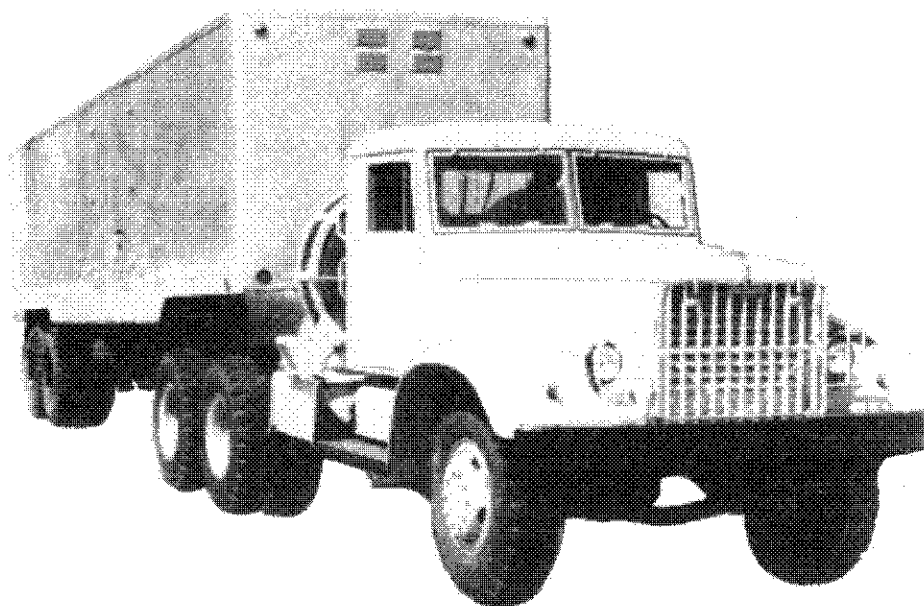
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FORM-2320-2-5-16-B
NOMEN: TRUCK, TRACTOR, 6 X 4 KRAZ-25B

CATALOG: TB-381-5-22
(OLD 2-2320-5-16)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1958-DATE/



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-16-B
NUMEN: TRUCK, TRACTOR, 6 X 4 KRAZ-250
PRODUCED/ADOPTED: 1958-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-5-16)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FORM-2320-2-5-17-A

U N C L A S S I F I E D

CATALOG: T8-381-9-22

NOMEN: TRUCK, TRACTOR, 4 X 2, KAZ-6088,

(OLD 2-2320-5-17)

NATIVE DES: AVTOMOBIL', TYAGACH', KAZ-6088
PRODUCED/ADOPTED: 1968-DATE/

COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

(U)THE KAZ-6088 TRUCK TRACTOR, CURRENTLY PRODUCED BY THE KUTAISI VEHICLE PLANT, IS A MODIFICATION OF THE EARLIER KAZ-608, 4 X 2 TRUCK TRACTOR, AND IS DESIGNED PRIMARILY TO OPERATE UNDER THE EXTREME FRIGID CONDITIONS OF THE SOVIET FAR NORTH. IT IS DESIGNED TO TOW THE SEMITRAILER QDAZ-898 WITH A GROSS WEIGHT OF 15.5 METRIC TONS.

(U)THE DRIVER'S COMPARTMENT IS EQUIPPED WITH DOUBLE THICKNESS GLASS AND INSULATION AGAINST THE COLD. A NEW HEATING SYSTEM, DEVELOPED ESPECIALLY FOR THIS VEHICLE, HAS PROVED TO BE MORE EFFECTIVE IN PREPARING "COLD-SOAKED" ENGINES FOR STARTING THAN HEATING SYSTEMS PREVIOUSLY USED IN "COLD-PROOFING" TRUCKS INTENDED FOR ARCTIC OPERATION.

(U)THE KAZ-6088 IS UTILIZED BY MILITARY PERSONNEL AND GEOLOGISTS IN THE KOLYMA RIVER REGION, AS WELL AS BY PETROLEUM AND HIGHWAY CONSTRUCTION WORKERS IN THE TYUMEN' AREA.

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U N C L A S S I F I E D

FOM-2320-2-5-17-A
 NOMEN: TRUCK, TRACTOR, 4 X 2, KAZ-6088.

CATALOG: TB-381-5-22
 (OLD 2-2320-5-17)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1968-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4000
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- *1
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 8725
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2300
 -EMPTY REAR ----- 1700
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 2800
 -LOADED REAR ON HWY - 5925

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- *2

MAX SEMITRAILER (KG)-

-GROSS ----- 15,500

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5155
 WIDTH O'ALL ----- 2360
 HEIGHT O'ALL ----- 2442

CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1800
 -REAR ----- 1790

WHEELBASE ----- 2900

GROUND CLEARANCE ----- 275

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL - ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 15%
 TURNING RADIUS (MM) ----- 6700

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 40
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 525
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 75
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- 30 DEG

ANGLE OF DEPARTURE (DEG) ----- 50

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- ZIL-130, YAS
 TYPE ----- V-8, 4 CYCLE
 MAX HP AT RPM ----- 150 AT 3100
 MAX TORQUE (KGM) ----- 41 AT 1800-2000
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 100
 STROKE (MM) ----- 95
 DISPLACEMENT (LITERS) 6

FOM NR ----- FOM2-2805-1-12

GENERAL DATA:

TIRES-

-SIZE ----- 9.00 X 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 490
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 105
 -AUX TANK ----- 105

BRAKES-

-PRIMARY TYPE ----- AIR
 -PARKING TYPE ----- MECH ACTUATOR ON TRANS

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- *3

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - *4

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

- 1/ NORMAL SEMITRAILER VERTICAL THRUST ON FIFTH WHEEL: LOADED = 4447 KG
- 2/ PAYLOAD ON TOWED SEMITRAILER = 11,500
- 3/ SEMIELLIPTIC SPRINGS, W/HELPERS
- 4/ 5/1 (2, 3, 4 AND 5 SYNCHRONIZED)

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-17-B

NGMEN: TRUCK, TRACTOR, 4 X 2, KAZ-6088.

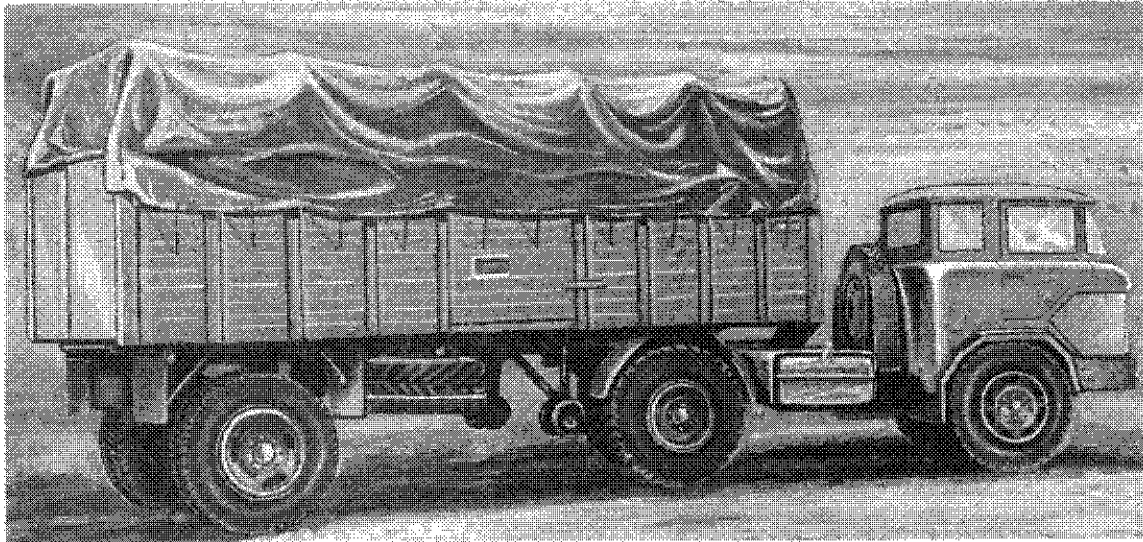
PRODUCED/ADOPTED: 1968-DATE/

CATALOG: TB-381-5-22

(OLD 2-2320-5-17)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-17-B

NGMEN: TRUCK, TRACTOR, 4 X 2, KAZ-6088.

PRODUCED/ADOPTED: 1968-DATE/

CATALOG: TB-381-5-22

(OLD 2-2320-5-17)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-18-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, TRACTOR W/SEMITRAILER, 10X10, ZIL-137

(OLD Z-2320-5-18)

NATIVE DES: AVTOMOBILI, TYAGACHI ZIL-137

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: PROTOTYPE/

DATE UPDATED: 30AUG73

(U)THE ZIL-137, A NEW TRUCK-TRACTOR AND SPECIAL SEMITRAILER COMBINATION WITH POWERED AXLES ON THE SEMITRAILER BOGIE, IS CURRENTLY UNDER DEVELOPMENT IN THE USSR. IT IS PRIMARILY INTENDED TO SATISFY MILITARY REQUIREMENTS. PRODUCTION WAS SCHEDULED TO COMMENCE IN 1972.

(U)THE TRUCK-TRACTOR, WITH THE EXCEPTION OF THE CLUTCH, TRANSMISSION, AND ADDITIONAL ASSEMBLIES FOR THE SEMITRAILER POWER TRAIN, IS IDENTICAL TO THE ZIL-131V, TRUCK-TRACTOR. IT HAS THE SAME WHEEL-BASE, GROUND CLEARANCE, AND TURNING RADIUS, IS POWERED BY A 160-HORSEPOWER GASOLINE ENGINE, FEATURES ALL-WHEEL-DRIVE, AND POSSESSES EXCELLENT ROADABILITY BOTH ON AND OFF PAVED ROADS.

(U)A COMBINED HYDRAULIC-MECHANICAL TRANSMISSION SYTEM IS EMPLOYED IN THE TRAILER UNIT CONSISTING OF A HYDRAULIC PUMP DRIVEN BY THE TRACTOR ENGINE, AND FLEXIBLE HYDRAULIC LINES TO A HYDRAULIC MOTOR CONNECTED TO A TRANSFER ASSEMBLY AMIDSHIPS OF THE SEMITRAILER. FROM THE TRANSFER ASSEMBLY, PROPELLER SHAFTS DRIVE BOTH AXLES OF THE SEMITRAILER MECHANICALLY. THE SEMITRAILER AXLES ARE CONTROLLED BY ELECTROMAGNETIC-PNEUMATICALLY-ACTUATED CONTROLS IN THE DRIVER'S COMPARTMENT. THE ZIL-137 IS ALSO EQUIPPED WITH A CAB-CONTROLLED TIRE INFLATION SYSTEM EFFECTIVE ON ALL 10 WHEELS.

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U N C L A S S I F I E D

FOM-2320-2-5-18-A

NOMEN: TRUCK, TRACTOR W/SEMITRAILER, 10X10, ZIL-137

CATALOG: TB-381-5-22
 (OLD 2-2320-5-18)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: PROTOTYPE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- ?
 -PAYLOAD OFF HWY ----- 6,000
 -PAYLOAD ON HWY ----- 6,000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- ?

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7040 (TRACTOR)
 WIDTH O'ALL ----- 2500 (TRACTOR)
 HEIGHT O'ALL ----- 2400 (TRACTOR)

CARGO SPACE-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- 1820
 -REAR ----- 1820

WHEELBASE -----

4000

GROUND CLEARANCE -----

330

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 48
 TURNING RADIUS (MM) ----- 10,200
 FORDING DEPTH (MM) ----- 16,790

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 40
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 845
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 65
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ZIL-130M
 TYPE ----- V-8, 4 CYCLE
 MAX HP AT RPM ----- 160 @ 3200
 MAX TORQUE (KGM) ---- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FOM NR ----- FOM-2805-2-1-12 ?

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 X 20
 -PLY ----- 14
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 512
 -INFLATION SYSTEM --- CAB CONTROLLED

FUEL CAP (LITERS)-

-MAIN TANK ----- 170
 -AUX TANK ----- 170

BRAKES-

-PRIMARY TYPE ----- AIR
 -PARKING TYPE ----- MECH ON TRACTOR

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- #1

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - #2

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24V (2X12V BATT)

WINCH-TYPE ----- MECHANICAL

-CAPACITY (KG) ----- 5000
 -CABLE LENGTH (MM) -- ?

TANK BODY:

PUMP:

HOSES:

REMARKS:

1/ SEMIELLIPTIC SPRINGS, INVERTED ON BOGIE
 2/ 5/1 (2,3,4, & 5 SYNCHROMESH)

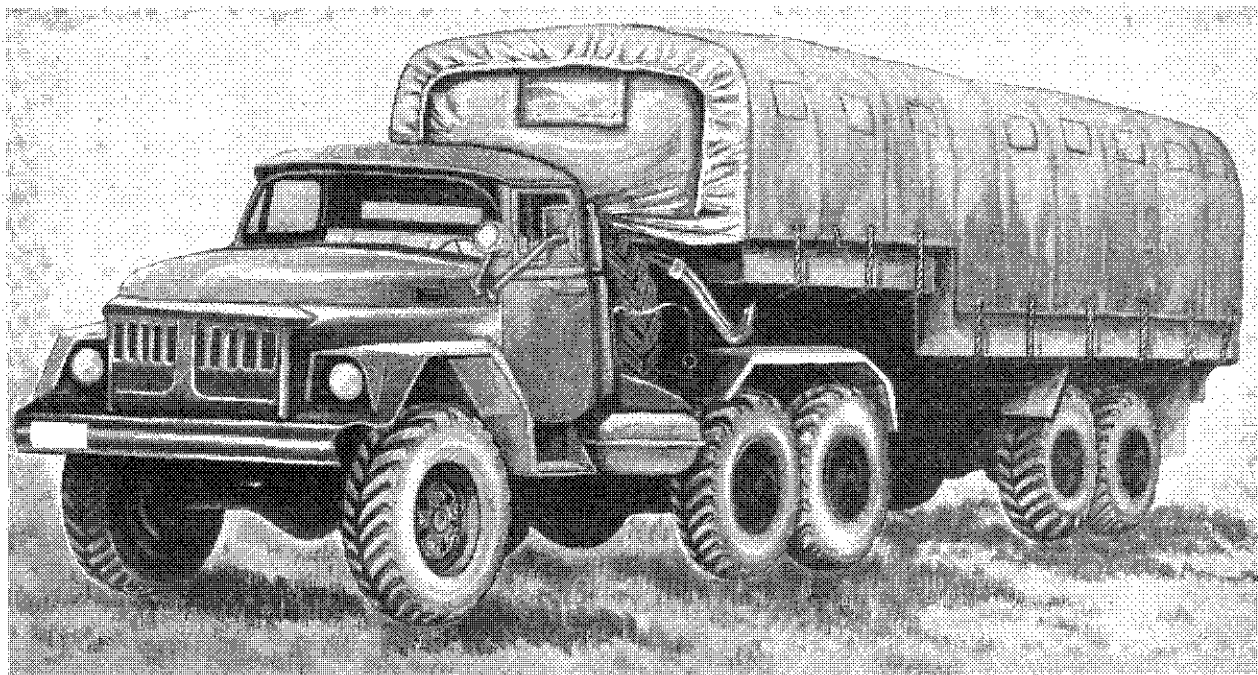
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-18-B
NOMEN: TRUCK, TRACTOR W/SEMITRAILER, 10X10, ZIL-137
PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22
(OLD 2-2320-5-18)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-2-5-18-B

NOMEN: TRUCK, TRACTOR W/SEMITRAILER, 10X10, ZIL-137

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22
(OLD 2-2320-5-18)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-20-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TRACTOR, 6X6, ZIL-131V

(OLD 2-2320-5-20)

NATIVE DES: AVTOMOBIL, TYAGACHI ZIL-131V

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1967-DATE/

DATE UPDATED: 07AUG73

(U)THE ZIL-131V, PRODUCED BY THE MOSCOW (IMENDI LIKHAYEV) AUTOMOBILE PLANT ON THE ZIL-131 (FOM-2320-2-4-681 CHASSIS SINCE 1967, IS THE REPLACEMENT FOR THE ZIL-157V TRACTOR-TRUCK. THE NEW MODEL INCORPORATES A NEW AND MORE POWERFUL V-8 ENGINE, AN IMPROVED POWER TRAIN ARRANGEMENT, A SHORTER WHEELBASE, POWER STEERING, AND WATERPROOF IGNITION. IT HAS AN ALL METAL, THREE PLACE CAB. A UNIQUE FEATURE IS THE ABILITY OF THE FRONT AXLE DRIVE TO ENGAGE AUTOMATICALLY WHEN FIRST GEAR IS ENGAGED. AN ELECTRO-MAGNETIC SYSTEM IS INCORPORATED TO ACCOMPLISH THIS ACTION. ADDITIONALLY, THE OPERATOR CAN MANUALLY ENGAGE THE FRONT AXLE DRIVE IN SECOND GEAR WHEN OPERATING ON SLIPPERY ROADS BY MEANS OF A SWITCH MOUNTED ON THE INSTRUMENT PANEL. THE ZIL-131 FAMILY IS A CLASSICAL EXAMPLE OF SOVIET USAGE OF STANDARD PARTS IN VEHICLE DESIGN.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-20-A
 NOMEN: TRUCK, TRACTOR, 6X6, ZIL-131V

CATALOG: TB-381-5-22
 (OLD 2-2320-5-20)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1967-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 6225
 -PAYLOAD OFF HWY ----- *1
 -PAYLOAD ON HWY ----- *2
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 15724
 -GROSS ON HWY ----- 17225
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 3040
 -EMPTY REAR ----- 1593 EA
 -LOADED FRONT OFF HWY - 3617
 -LOADED REAR OFF HWY - 6054 EA
 -LOADED FRONT ON HWY - 3962
 -LOADED REAR ON HWY - 6631 EA

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
 -ON HWY ----- N/A

MAX SEMITRAILER (KG)-

-GROSS ----- 7500

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6480
 WIDTH O'ALL ----- 2420
 HEIGHT O'ALL ----- 2480

CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1820
 -REAR ----- 1820

WHEELBASE ----- 3975

GROUND CLEARANCE ----- 330

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- 1495

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60%
 TURNING RADIUS (MM) ----- 10200
 FORDING DEPTH (MM) ----- 1400

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 50
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 340
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 80
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- 45 DEG

ANGLE OF DEPARTURE (DEG) --- 58 DEG

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ZIL-131,
 TYPE ----- V-8, 4 CYCLE, OHV
 MAX HP AT RPM ----- 150 AT 3200
 MAX TORQUE (KGM) ----- 41 AT 1800-2000
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 100
 STROKE (MM) ----- 95
 DISPLACEMENT (LITERS) 6

FOM NR ----- 2

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 X 20
 -PLY ----- 14
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 512
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 170
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- *3
 -REAR ----- *4

TRANSMISSION-

-TYPE ----- *5
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- 2

TANK BODY:

PUMP:

HOSES:

REMARKS:

1/ WEIGHT (VERTICAL THRUST) 5TH WHEEL OFF HIGHWAY AND 5TH SPEEDS)
 9950 KG WITH 3500 KG PAYLOAD
 2/ WEIGHT(VERTICAL THRUST) 5TH WHEEL ON HIGHWAY
 11450 KG WITH 5000 KG PAYLOAD
 3/ LONGITUDINAL SEMIELLIPTIC SPRINGS
 4/ EQUALIZER, ARM ON LONGITUDINAL SEMIELLIPTIC
 SPRINGS
 5/ MANUAL, (SYNCHRONIZERS ON 2D, 3D, 4TH

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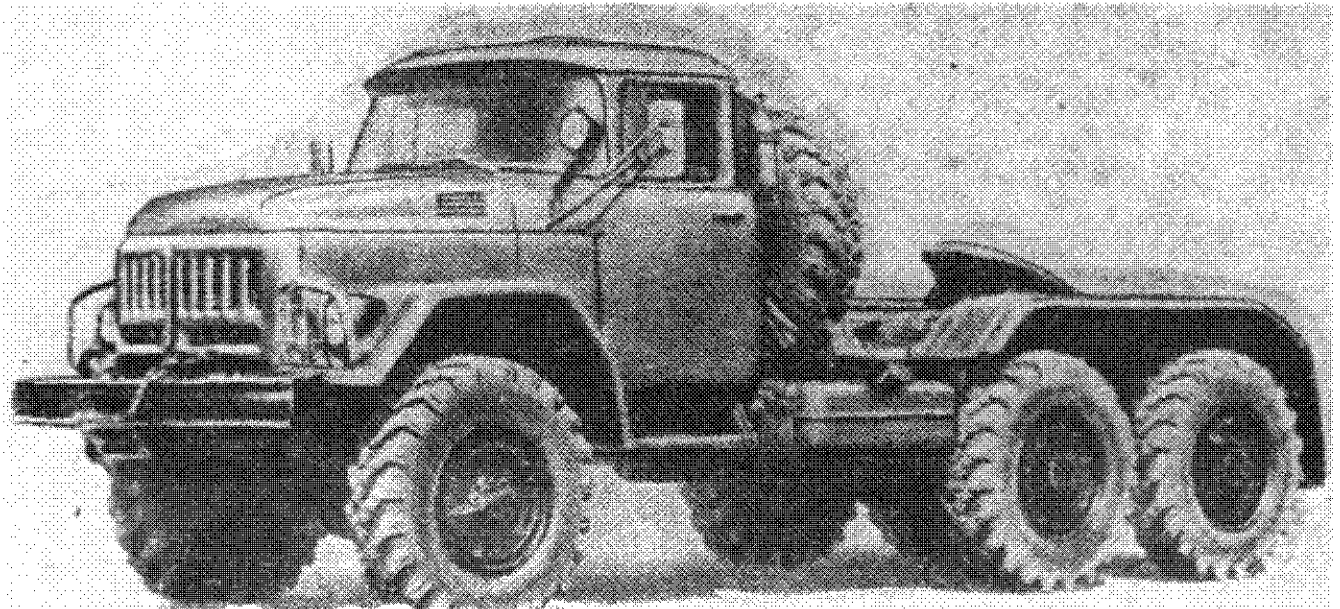
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-20-B
NOMEN: TRUCK, TRACTOR, 6x6, ZIL-131V
PRODUCED/ADOPTED: 1967-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-5-20)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-5-20-B
NOMEN: TRUCK, TRACTOR, 6X6, ZIL-131V
PRODUCED/ADOPTED: 1967-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-5-20)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOU-2320-2-7-1-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, SPECIAL-PURPOSE, SINGLE-AXLE, MAZ-529

(OLD 2-2320-7-1)

NATIVE DES: AVTOMOBILI MAZ-529
PRODUCED/ADOPTED: 1958-DATE/

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THE MAZ-529 SINGLE-AXLE (GOER-TYPE) PRIME MOVER WAS IN PRODUCTION AT THE MINSK TRACTOR PLANT FROM 1958-63. RESPONSIBILITY FOR THE VEHICLE'S PRODUCTION WAS THEN SHIFTED TO THE MOGILEV MOBILE HOIST AND TRANSPORT EQUIPMENT PLANT, WHICH PRODUCES THE MOAZ SERIES OF VEHICLES. REDESIGNATED THE MOAZ-546 THE PRIME MOVER WENT INTO PRODUCTION IN 1964. IT INCORPORATES SOME IMPROVEMENT IN COMPONENTS, ALTHOUGH EVIDENCE SUGGESTS THAT THESE IMPROVEMENTS ARE LIMITED.

(U)WHILE THE SOVIET TECHNICAL PRESS REFLECTS A HIGHLY FAVORABLE ATTITUDE TOWARDS THE GOER-TYPE PRIME MOVER, AND SEVERAL PROTOTYPE GOER'S OF GREATER POWER AND CAPACITY HAVE BEEN BUILT, THE MAZ-529/MOAZ-546 CONTINUES TO BE THE ONLY GOER IN REGULAR PRODUCTION IN THE U.S.S.R.

(U)THE PRIME MOVER HAS POWER STEERING AND A HIGH DEGREE OF MOBILITY WHEN USED IN COMBINATION WITH SPECIALLY DESIGNED TRAILERS. WHEN SEPARATED FROM ITS TRAILER, IT CAN ONLY BE MOVED BY ATTACHING SUPPORTING WHEELS.

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U N C L A S S I F I E D

FORM-2320-2-7-1-A
 NOMEN: TRUCK, SPECIAL-PURPOSE, SINGLE-AXLE, MAZ-529

CATALOG: TB-381-3-22
 IOLD 2-2320-7-11
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1958-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 7710
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- N/A
 -LOADED FRONT OFF HWY ----- ?
 -LOADED REAR OFF HWY ----- N/A
 -LOADED FRONT ON HWY ----- ?
 -LOADED REAR ON HWY ----- N/A
 PERSONNEL LOAD (NR) ----- 2 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- *1
 MAX SEMITRAILER (KG)-
 -GROSS ----- ?

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 3510
 WIDTH O'ALL ----- ?
 HEIGHT O'ALL ----- ?
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- N/A
 WHEELBASE -----
 GROUND CLEARANCE ----- ?
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL ----- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- *2
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 25 MPH
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ----- ?
 ANGLE OF DEPARTURE (DEG) ----- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- YAAZ-236
 TYPE ----- 90 DEG V-6, 4 CYCLE
 MAX HP AT RPM ----- 180 @ 2100
 MAX TORQUE (KGM) ----- 68 AT 1500
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 130
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 11.15

FORM NR ----- 2815-2-I-4

GENERAL DATA:

TIRES-
 -SIZE ----- 18.00 X 24
 -PLY ----- 24
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 745
 -INFLATION SYSTEM ----- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 2
 -AUX TANK ----- ?
 BRAKES-
 -PRIMARY TYPE ----- ?
 -PARKING TYPE ----- ?
 SUSPENSION SYSTEM-
 -FRONT ----- ?
 -REAR ----- N/A
 TRANSMISSION-
 -TYPE ----- ?
 -NR SPEEDS FWD/RVSE - ?
 TRANSFER, NR SPEEDS --- ?
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- ?
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ DRAWBAR PULL RATING 10,900
 2/ 90-DEG TURNS IN BOTH DIRECTIONS

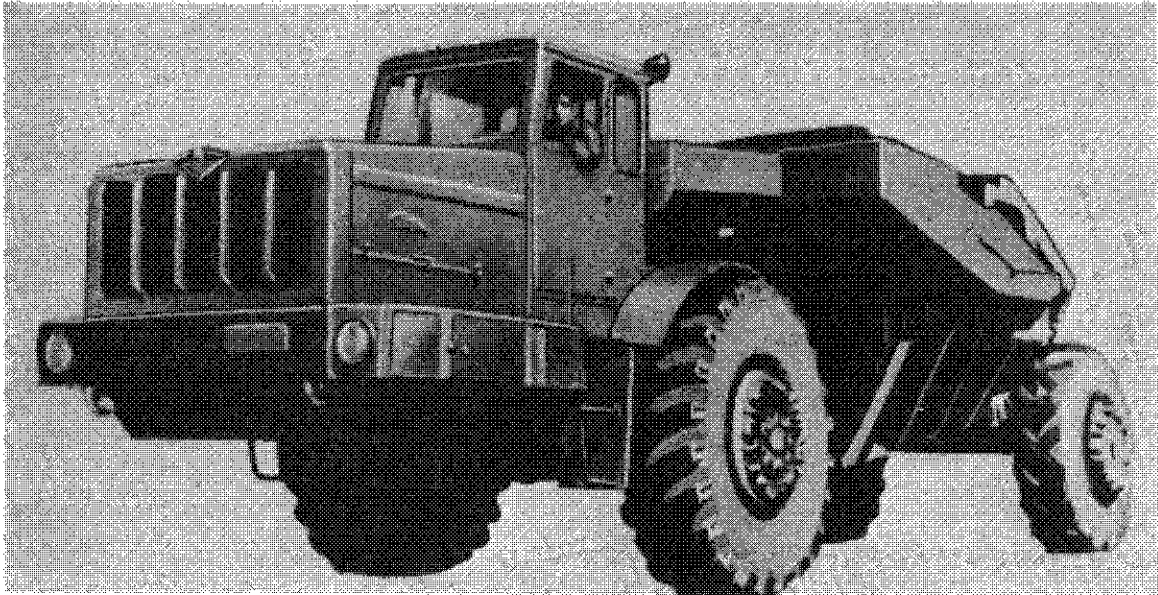
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-7-1-B
NOMEN: TRUCK, SPECIAL-PURPOSE, SINGLE-AXLE, MAZ-529
PRODUCED/ADOPTED: 1958-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-7-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2-7-1-B
NOMEN: TRUCK, SPECIAL-PURPOSE, SINGLE-AXLE, MAZ-529
PRODUCED/ADOPTED: 1958-DATE/

CATALOG: TB-381-5-22
(OLD 2-2320-7-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-4-4-1-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 4-TON, 4X2, "MADARA"

(OLD 4-2320-4-1)

NATIVE DES: 7

COUNTRY: BULGARIA

PRODUCED/ADOPTED: 1966-DATE/

DATE UPDATED: 30AUG73

(U) IN 1966 THE AUTOMOTIVE FACILITIES OF THE STATE MACHINE BUILDING PLANT IN SHUMEN WERE ENLARGED, THE NAME CHANGED TO THE SHUMEN ASSEMBLY PLANT, AND THE PRODUCTION OF MOTORCYCLES, LIGHT TRUCKS, AND ENGINES COMMENCED. THE PRINCIPAL TRUCK BEING ASSEMBLED HERE, UNDER LICENSE, IS THE "MADARA", A COPY OF THE SOVIET GAZ-53A, 4-TON, 4 X 2 CARGO TRUCK (FOM-2320-2-4-87). IT IS POWERED BY A BRITISH "PERKINS" DIESEL ENGINE OF ABOUT 115 HORSEPOWER.

(U) THE WOOD-METAL BED OF THE "MADARA" HAS REMOVABLE SIDEBORDS AND A DROP TAILGATE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-4-4-1-A
NOMEN: TRUCK, CARGO, 4-TON, 4X2, "MADARA"

CATALOG: TB-381-5-22
TOLD 4-2320-4-1)
COUNTRY: BULGARIA
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1968-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 3250
-PAYLOAD OFF HWY ----- 3500
-PAYLOAD ON HWY ----- 4,000
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- 6750
-GROSS ON HWY ----- 7400
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 1460
-EMPTY REAR ----- 1790
-LOADED FRONT OFF HWY - 1890
-LOADED REAR OFF HWY -- 4860
-LOADED FRONT ON HWY -- 1810
-LOADED REAR ON HWY --- 5590
PERSONNEL LOAD (NR) ---- 2 IN CAB; 14 IN REAR
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- 4000
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6395
WIDTH O/ALL ----- 2380
HEIGHT O/ALL ----- 2220
CARGO SPACE-
-LENGTH ----- 3740
-WIDTH ----- 2170
-HGT OF SIDES ----- 680
TREAD, C TO C-
-FRONT ----- 1630
-REAR ----- 1690
WHEELBASE ----- 3700
GROUND CLEARANCE ----- 265
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
TURNING RADIUS (MM) ----- 8000
FORDING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- ?
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- ?
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 80
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- 41 DEG
ANGLE OF DEPARTURE (DEG) --- 25 DEG
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- PERKINS (BRITISH)
TYPE ----- ?
MAX HP AT RPM ----- 115 AT 3200 (?)
MAX TORQUE (KGM) ----- ?
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - ?
BORE (MM) ----- ?
STROKE (MM) ----- ?
DISPLACEMENT (LITERS) ?
FOM NR ----- ?

GENERAL DATA:

TIRES-
-SIZE ----- 8.25 X 20
-PLY ----- 10
-TYPE ----- ?
-LOADED RADIUS (MM) - 465
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 90
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- VACUUM-HYDRAULIC
-PARKING TYPE ----- MECHANICAL
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- *1
TRANSMISSION-
-TYPE ----- MANUAL *2
-NR SPEEDS FWD/RVSE - N/A
TRANSFER, NR SPEEDS --- DOES NOT APPLY
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 12V
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

1/ SEMIELLIPTIC SPRINGS W/OVERLOAD SPRINGS
2/ SYNCHRONIZERS ON 3D AND 4TH.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-4-4-1-B

NOMEN: TRUCK, CARGO, 4-TON, 4X2, *MADARA

PRODUCED/ADOPTED: 1968-DATE/

CATALOG: TB-381-5-22

(OLD 4-2320-4-1)

COUNTRY: BULGARIA

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-4-4-1-B

NOMEN: TRUCK, CARGO, 4-TON, 4X2, "MAOARA

PRODUCED/ADOPTED: 1968-DATE/

CATALOG: T8-381-5-22

IDLD 4-2320-4-11

COUNTRY: BULGARIA

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-5-4-1-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 3-1/2 TON, 4X2, CA-10 LIBERATION

(OLD 5-2320-4-1)

NATIVE DES: CHIEH-FANG P'AI CA-10

COUNTRY: PRC

PRODUCED/ADOPTED: 1956 TO DATE

DATE UPDATED: 13SEP73

(U)THE COMMUNIST CHINESE CA-10 CARGO TRUCK WHICH WENT INTO PRODUCTION AT THE CH'ANG-CH'UN MOTOR VEHICLE PLANT NUMBER 1, CH'ANG-CH'UN, CHINA, IN JULY 1956, IS A MODIFIED VERSION OF THE SOVIET ZIL-150, 4 1/2-TON, 4 X 2 CARGO TRUCK (FOM-2320-2-4-5). THIS NONTACTICAL TRANSPORT VEHICLE COMPRISES THE GREATER PART OF DOMESTIC TRUCK PRODUCTION IN PRC. THE TRUCK HAS ONLY A LIMITED CROSS-COUNTRY CAPABILITY DUE TO THE LACK OF ALL-WHEEL DRIVE. ALTHOUGH EMPLOYED BY THE ARMY PRIMARILY FOR TRANSPORTING CARGO AND PERSONNEL, IT HAS BEEN OBSERVED AS A PRIME MOVER FOR LIGHT ARTILLERY.

(U)THE TRUCK IS POWERED BY A 6-CYLINDER, 4-CYCLE, LIQUID-COOLED, GASOLINE ENGINE. SUSPENSION CONSISTS OF LONGITUDINALLY MOUNTED, SEMIELLIPTIC, LAMINATED-LEAF SPRINGS WITH OVERLOAD SPRINGS ON THE REAR, AND DOUBLE-ACTION, HORIZONTAL-PISTON, OIL-FILLED SHOCK ABSORBERS IN THE FRONT ONLY. DIRECT AIR SERVICE BRAKES OPERATE ON ALL FOUR WHEELS.

(U)MOST DESIGN AND CONSTRUCTION FEATURES OF THE CA-10 AND THE ZIL-150 ARE IDENTICAL, EXCEPT FOR SOME TECHNICAL DIFFERENCES. FROM THE STANDPOINT OF TRACTION AND CLIMBING POWER, THE ENGINE PERFORMANCE OF THE CA-10 IS REPORTEDLY INFERIOR TO THE ZIL-120 ENGINE USED IN THE ZIL-150 TRUCK.

(U)THE CA-10 HAS BEEN OBSERVED WITH RIGHT-HAND AS WELL AS LEFT-HAND DRIVE AND IS ALSO PRODUCED AS A DUMP TRUCK AND AS A TRUCK TRACTOR.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-5-4-1-A
 NOMEN: TRUCK, CARGO, 3-1/2 TON, 4X2, CA-10 LIBERATION

CATALOG: TB-381-5-22
 (OLD 5-2320-4-1)
 COUNTRY: PRC
 DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: 1956 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURS ----- 3840
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 3540
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 7375
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1735
 -EMPTY REAR ----- 2100
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 2140
 -LOADED REAR ON HWY --- 5230

PERSONNEL LOAD (NR) ----- CREW OF 2, 14 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6502
 WIDTH O/ALL ----- 2290
 HEIGHT O/ALL ----- 3980
 CARGO SPACE-

-LENGTH ----- 3540
 -WIDTH ----- 2260
 -HGT OF SIDES ----- 610

TREAD, C TO C-

-FRONT ----- 1690
 -REAR ----- 1740

WHEELBASE ----- 3980

GROUND CLEARANCE ----- 270

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 37%

TURNING RADIUS (MM) ----- 9000

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 38
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 415
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 82
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- 40

ANGLE OF DEPARTURE (DEG) --- 24

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- CA-10
 TYPE ----- 6 CYLINDER, IN-LINE
 MAX HP AT RPM ----- 95 AT 2800
 MAX TORQUE (KGM) ----- 31 AT 1200
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) 5.55

FOM NR ----- 2

GENERAL DATA:

TIRES-

-SIZE ----- 9.00 X 20

-PLY ----- ?

-TYPE ----- ?

-LOADED RADIUS (MM) - ?

-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 158

-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- AIR

-PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS

-REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A

-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12 (2, 6-V BATT)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

DATE CATALOGED: 01DEC67
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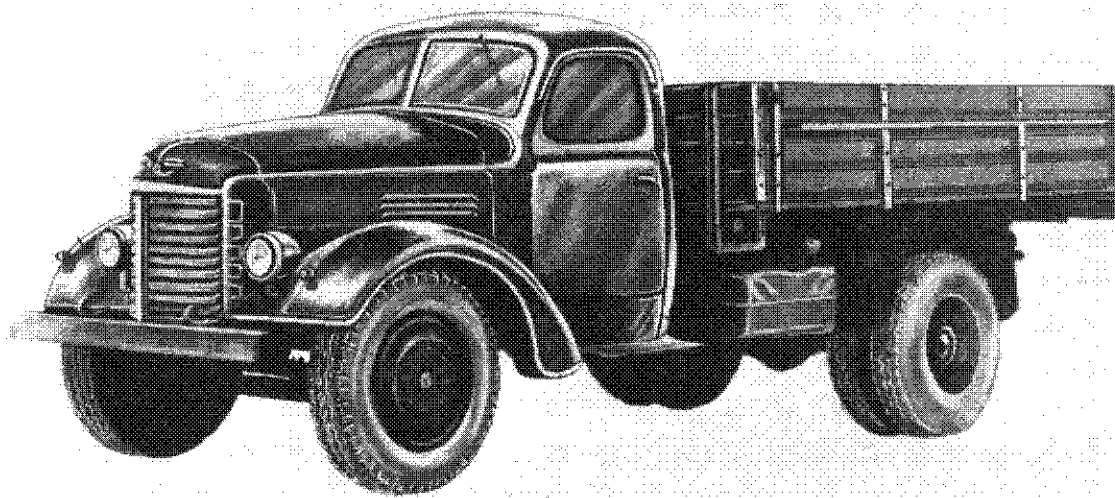
U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-5-4-1-B
NOMEN: TRUCK, CARGO, 3-1/2 TON, 4X2, CA-10 LIBERATION

CATALOG: TB-381-5-22
(OLD S-2320-4-1)
COUNTRY: PRC
DATE UPDATED: 13SEPT3

PRODUCED/ADOPTED: 1956 TO DATE



DATE CATALOGED: 01DEC67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGH-2320-5-4-1-B

NOMEN: TRUCK, CARGO, 3-1/2 TON, 4X2, CA-10 LIBERATION

PRODUCED/ADOPTED: 1956 TO DATE

CATALOG: TB-381-5-22

IOLD 5-2320-4-1)

COUNTRY: PRC

DATE UPDATED: 13SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-5-4-4-A

CATALOG: T6-381-5-22

NOMEN: TRUCK, UTILITY 1/2 TON, 4X4, BJ-212, OVERLANDER

IOLD 5-2320-4-41

NATIVE DES: ?

COUNTRY: PRC

PRODUCED/ADOPTED: 1966-DATE/

DATE UPDATED: 13SEP73

{U}THE BJ-212 IS A CROSS-COUNTRY CARGO AND PERSONNEL CARRIER INTENDED FOR USE BY GEOLOGICAL AND FILMING EXPEDITIONS, AS AN AGRICULTURAL VEHICLE, AND AS A MILITARY VEHICLE. IT HAS A REMOVABLE CANVAS TOP AND FOLDDOWN WINDSHIELD WHICH REDUCES ITS SILHOUETTE. THE BJ-212 IS TRANSPORTABLE BY AIRPLANE OR HELICOPTER, AND IS PROBABLY AIRDROPPABLE. IT CAN BE EXPECTED TO REPLACE 1/2-TON UTILITY TRUCKS IMPORTED BY PRC FOR USE BY THE ARMED FORCES.

{U}THIS LIGHT JEEP-TYPE VEHICLE IS PRODUCED BY THE PEI-CHING MOTOR VEHICLE MANUFACTURING PLANT, PEI-CHING SHIH, PRC.

DATE CATALOGED: 01MAR69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOK-2320-5-4-4-A

NOMEN: TRUCK, UTILITY 1/2 TON, 4X4, BJ-212, OVERLANDER

CATALOG: TB-381-5-22

IOLD 5-2320-4-4)

COUNTRY: PRC

DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: 1966-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 1530
 -PAYLOAD OFF HWY ----- 425
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 1955
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 825
 -EMPTY REAR ----- 705
 -LOADED FRONT OFF HWY - 918
 -LOADED REAR OFF HWY - 1112
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- *1

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 3860
 WIDTH O'ALL ----- 1750
 HEIGHT O'ALL ----- 1870
 CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 2300

GROUND CLEARANCE ----- ?

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 58

TURNING RADIUS (MM) ----- 6,000

FORDING DEPTH (MM) ----- 500

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 5.9
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 440
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 98
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- 492
 TYPE ----- 4 CYL, 4 CYCLE
 MAX HP AT RPM ----- 75 AT 3500
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 92
 STROKE (MM) ----- 92
 DISPLACEMENT (LITERS) ?

FOM NR ----- 2

GENERAL DATA:

TIRES-

-SIZE ----- 6.50 X 16
 -PLY ----- 4
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 362
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 60
 -AUX TANK ----- 25

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC A/WHEELS
 -PARKING TYPE ----- MECHANICAL RR WHEELS

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUEL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) --- ?

REMARKS:

WITH 50 KILOGRAMS OF BAGGAGE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-5-4-4-B.

NOMEN: TRUCK, UTILITY 1/2 TON, 4x4, BJ-212, OVERLANDER

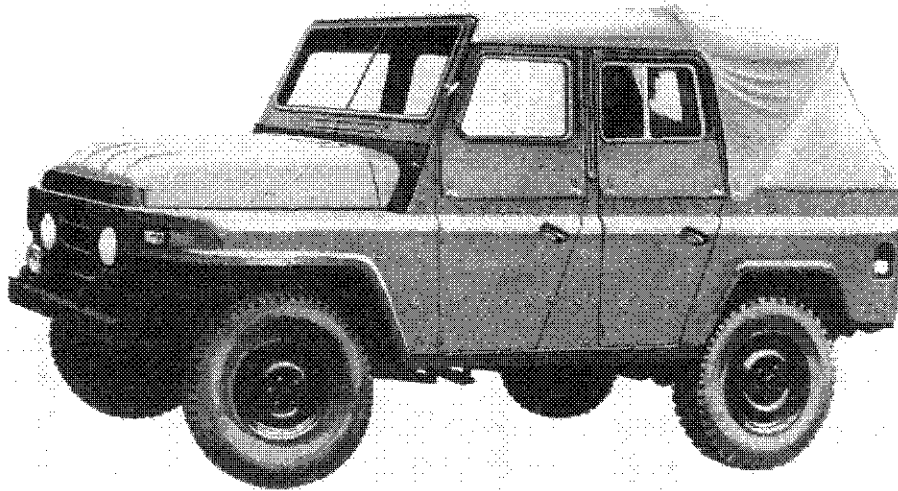
PRODUCED/ADOPTED: 1966-DATE/

CATALOG: TB-381-5-22

(OLD 5-2320-4-4)

COUNTRY: PRC

DATE UPDATED: 13SEP73



DATE CATALOGED: 01MAR69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-5-4-4-B

NOMEN: TRUCK, UTILITY 1/2 TON, 4X4, BJ-212, OVERLANDER

PRODUCED/ADOPTED: 1966-DATE/

CATALOG: TB-381-5-22

(OLD 5-2320-4-4)

COUNTRY: PRC

DATE UPDATED: 13SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-5-4-6-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 4-TON, 4 X 2, "CHIAO-T'UNG"

FILE 5-2320-4-61

NATIVE DES: CHIAO-T'UNG

COUNTRY: PRC

PRODUCED/ADOPTED: 1970 TO DATE

DATE UPDATED: 13SEP73

(U)THE LATEST VERSION OF THE "CHIAO-T'UNG" CARGO TRUCK, INITIALLY PRODUCED IN 1961 BY THE SHANGHAI COMMUNICATIONS AND TRANSPORT BUREAU GOODS VEHICLE REPAIR FACTORY, WAS FIRST SHOWN AT THE SPRING 1970 CANTON TRADE FAIR. THIS CAB-OVER-ENGINE VEHICLE IS REPRESENTATIVE OF A NONTACTICAL TRANSPORT AND POSSESSES ONLY A LIMITED CROSS-COUNTRY ABILITY BECAUSE OF ITS LACK OF ALL-WHEEL DRIVE. IT IS UTILIZED BY THE ARMED FORCES AS A TRANSPORTER FOR PERSONNEL AND CARGO AND HAS BEEN OBSERVED IN THE ROLE OF A PRIME MOVER FOR LIGHT ARTILLERY.

(U)THE ENGINE AND TRANSMISSION OF THE "CHIAO-T'UNG" ARE BASED ON THE INTERNATIONAL K7 TRUCK, THE STEERING GEAR ON THE GMC CCKW TRUCK, THE BRAKES ON THE INTERNATIONAL M-541-6 TRUCK, AND THE PROPELLER SHAFT AND FRONT AND REAR AXLES ON THE CHINESE COMMUNIST CA-10 TRUCK.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-5-4-6-A
 NOMEN: TRUCK, CARGO, 4-TON, 4 X 2, "CHIAO-T'UNG"

CATALOG: TB-381-5-22
 (OLD 5-2320-4-6)
 COUNTRY: PRC
 DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: 1970 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 4225
 -PAYLOAD OFF HWY ----- 3500
 -PAYLOAD ON HWY ----- 4,000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 7725
 -GROSS ON HWY ----- 8225
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 1910
 -EMPTY REAR ----- 2315
 -LOADED FRONT OFF HWY ----- 2010
 -LOADED REAR OFF HWY ----- 5720
 -LOADED FRONT ON HWY ----- 2135
 -LOADED REAR ON HWY ----- 6090
 PERSONNEL LOAD (NR) ----- 5 IN CAB; 21 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 4500
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6435
 WIDTH O'ALL ----- 2400
 HEIGHT O'ALL ----- 2230
 CARGO SPACE-
 -LENGTH ----- 3600
 -WIDTH ----- 2260
 -HGT OF SIDES ----- 610
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 4000
 GROUND CLEARANCE ----- 280
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL ----- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 24.3
 TURNING RADIUS (MM) ----- 8020
 FORDING DEPTH (MM) ----- ?
 FUEL CONS. LOADED -
 -ROAD (L/100KM) ----- 28
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 428
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 70
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- CHIAO-T'UNG TYPE 4550 CC
 TYPE ----- ?
 MAX HP AT RPM ----- 88 AT 3000
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?
 FGM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 9.00 X 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 490
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 120
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- AIR BRAKES
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRING
 -REAR ----- *1
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- DOES NOT APPLY
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 12
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ SEMIELLIPTIC SPRING W/OVERLOAD
 SPRINGS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-5-4-6-B

NOMEN: TRUCK, CARGO, 4-TON, 4 X 2, "CHIAO-T'UNG"

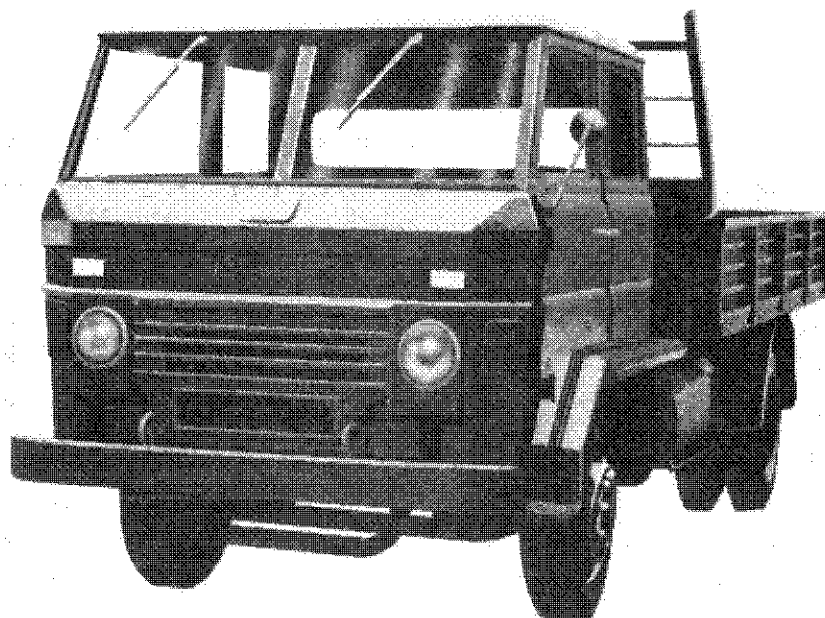
PRODUCED/ADOPTED: 1970 TO DATE

CATALOG: TB-381-5-22

(OLD S-2320-4-6)

COUNTRY: PRC

DATE UPDATED: 13SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-5-4-6-6

NOMEN: TRUCK, CARGO, 4-TON, 4 X 2, "CHIAO-T'UNG"

PRODUCED/ADOPTED: 1970 TO DATE

CATALOG: T8-381-5-22
(OLD 5-2320-4-6)
COUNTRY: PRC
DATE UPDATED: 13SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-5-4-7-A

CATALOG: TB-381-5-22

NAME: TRUCK, CARGO, 2 1/2 TON, 6 X 6, CA 30

(OLD 5-2320-4-7)

NATIVE DES: CHIEH-FANG CA 30
PRODUCED/ADOPTED: 59 TO DATE/

COUNTRY: PRC
DATE UPDATED: 13SEP73

(U)THE CA-30 CROSS-COUNTRY CARGO TRUCK WENT INTO SERIAL PRODUCTION IN 1959 AND IS MANUFACTURED BY THE YUEH-YEH (CROSS-COUNTRY) MOTOR VEHICLE SUBPLANT OF THE CH'ANG-CH'UN NO. 1 MOTOR VEHICLE MANUFACTURING PLANT, WHICH SPECIALIZES IN THE PRODUCTION OF CROSS-COUNTRY TRUCKS FOR MILITARY USE. THE VEHICLE IS RAPIDLY BECOMING THE PRINCIPAL ARTILLERY PRIME MOVER FOR THE PRC ARMY. IT HAS A STRONG EXTERIOR RESEMBLANCE TO THE SOVIET ZIL-157, 2 1/2-TON, 6 X 6 CARGO TRUCK (FOM-2320-2-4-57), EXCEPT FOR A MODIFIED FRONT FENDER AND RADIATOR SHELL DESIGN; THIS ASSEMBLY IS SIMILAR IN SHAPE TO THE CHIEH-FANG CA-118. KNOWN ENGINE DETAILS FOR THE CA-30 ARE IDENTICAL WITH THOSE OF THE CA-10 (FOM-2320-5-4-1) TRUCK ENGINE.

DATE CATALOGED: 01JAN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-5-4-7-A
 NOMEN: TRUCK, CARGO, 2 1/2 TON, 6 X 6, CA 30

CATALOG: TB-381-5-22
 (OLD 5-2320-4-7)
 COUNTRY: PRC
 DATE UPDATED: 13SEPT3

PRODUCED/ADOPTED: 59 TO DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 5450
 -PAYLOAD OFF HWY ----- 2500
 -PAYLOAD ON HWY ----- 4500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 7950
 -GROSS ON HWY ----- 9950
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2360
 -EMPTY REAR ----- 1545 (EA)
 -LOADED FRONT OFF HWY - 2226
 -LOADED REAR OFF HWY - 2862 (EA)
 -LOADED FRONT ON HWY - 2786
 -LOADED REAR ON HWY - 3582

PERSONNEL LOAD (NR) ----- 3 IN CAB; 14 REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- 3600
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6684
 WIDTH O/ALL ----- 2315
 HEIGHT O/ALL ----- 2360

CARGO SPACE-

-LENGTH ----- 3570
 -WIDTH ----- 1800
 -HGT OF SIDES ----- 900

TREAD, C TO C-

-FRONT ----- 1752
 -REAR ----- 1752

WHEELBASE ----- 4785

GROUND CLEARANCE ----- 305

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 30
 TURNING RADIUS (MM) ----- 12,100
 FORDING DEPTH (MM) ----- 850

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 29
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 680
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 65
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- CHIEH-FANG 120
 TYPE ----- 6 CYL, 4 STROKE
 MAX HP AT RPM ----- 95 AT 2800
 MAX TORQUE (KGM) ---- 31 AT 1200
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 101.6
 STROKE (MM) ----- 114.3
 DISPLACEMENT (LITERS) 5.55

FOM NR ----- 7

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 X 18
 -PLY ----- 8
 -TYPE ----- ?

-LOADED RADIUS (MM) - 505
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 150
 -AUX TANK ----- 50

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC ALL WHEELS
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- *1
 -REAR ----- *2

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12 (TWO 6 BATT)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ SEMIELLIPTIC SPRINGS (LEAF)
 2/ SEMIELLIPTIC SPRINGS (LEAF)

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-5-4-7-B

NAME: TRUCK, CARGO, 2 1/2 TON, 6 X 6, CA 30

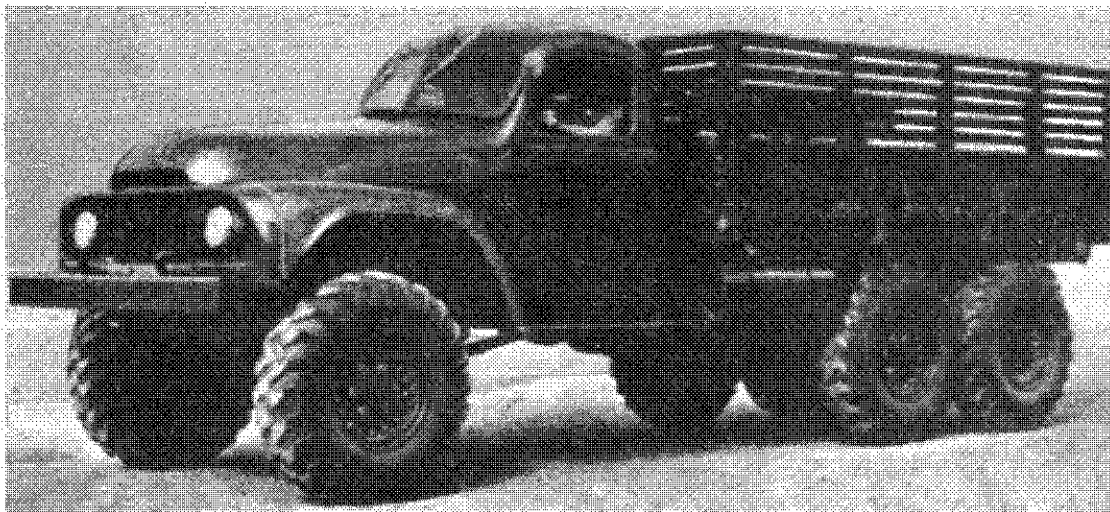
PRODUCED/ADOPTED: 59 TO DATE/

CATALOG: T6-381-5-22

(OLD 5-2320-4-7)

COUNTRY: PRC

DATE UPDATED: 13SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-5-4-7-B

NOMEN: TRUCK, CARGO, 2 1/2 TON, 6 X 6, CA 30

PRODUCED/ADOPTED: 59 TO DATE/

CATALOG: TB-381-5-22

(OLD 5-2320-4-7)

COUNTRY: PRC

DATE UPDATED: 13SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-4-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, CARGO, 8-TON, 4X2 SKODA 706R

(OLD 6-2320-4-4)

NATIVE DES: AUTO NAKLADNI

COUNTRY: CZECHOSLOVAKIA

PRODUCED/ADOPTED: 1950-1959/

DATE UPDATED: 30AUG73

(U)THE SKODA 706 R, A 4 X 2 CARGO TRUCK MANUFACTURED BY THE LIBERECKE AUTOMOBILE FACTORIES, RYNOVICE CZECHOSLOVAKIA, WAS USED WIDELY IN THE CIVILIAN ECONOMY AND, TO SOME EXTENT, BY THE MILITARY FORCES AS AN ADMINISTRATIVE VEHICLE. IT IS STILL IN LIMITED MILITARY USE. AN INTERIM MODEL, THE SKODA 906, REPLACED THE 706 R IN 1959, BUT ONLY A FEW WERE PRODUCED. THIS MODEL WAS FOLLOWED BY THE SKODA 706 RT, WHICH HAS A COMPLETELY MODERNIZED CAB-OVER-ENGINE DESIGN (FOM-2320-6-4-22).

(U)THE 706 R WAS ALSO PRODUCED AS THE 706 RS DUMP TRUCK, A TRACTOR TRUCK, AND A BUS. RECOGNITION FEATURES INCLUDE HORIZONTAL GRILLE DESIGN, SIDE AIRVENTS, ROUND-SHAPED FENDERS, AND CAB DOORS UNUSUALLY HIGH ABOVE THE GROUND.

(U)THE 706 R IS POWERED BY A 6-CYLINDER, 4-CYCLE, IN-LINE, LIQUID-COOLED, DIESEL ENGINE DEVELOPING 135 HORSEPOWER. SUSPENSION IS PROVIDED BY SEMIELLIPTIC, LAMINATED LEAF SPRINGS. DOUBLE SPRINGS, USED IN THE REAR, ADJUST AUTOMATICALLY TO THE WEIGHT OF THE LOAD. IN ADDITION TO AIR SERVICE BRAKES ON ALL WHEELS AND MECHANICAL PARKING BRAKES ON THE REAR WHEELS, ENGINE BRAKING ASSURES SAFE DRIVING ON LONG GRADIENTS.

DATE CATALOGED: 01DEC66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-4-A
 NOMEN: TRUCK, CARGO, 8-TON, 4X2 SKODA 706R

CATALOG: T8-381-5-22
 (OLD 6-2320-4-4)
 COUNTRY: CZECHOSLOVAKIA
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1950-1959/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 6410
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 7300
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 13,710
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 3460
 -EMPTY REAR ----- 2950
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 4800
 -LOADED REAR ON HWY -- 8910
 PERSONNEL LOAD (NR) ---- 3 IN CAB, 20 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 8410
 WIDTH O/ALL ----- 2500
 HEIGHT O/ALL ----- 2440
 CARGO SPACE-
 -LENGTH ----- 5,000
 -WIDTH ----- 2290
 -HGT OF SIDES ----- 490
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 5000
 GROUND CLEARANCE ----- 249
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 32
 TURNING RADIUS (MM) ----- 10,000
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 24
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 640
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 56
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- SKODA 706
 TYPE ----- 6 CYL, 4 STROKE, IN-LINE
 MAX HP AT RPM ----- 135 AT 1750
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?
 FOM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 12.00 X 22
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 150
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- AIR
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- *1
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/L
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 24 (2 12' BATT)
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ DOUBLE SEMIELLIPTIC SPRINGS

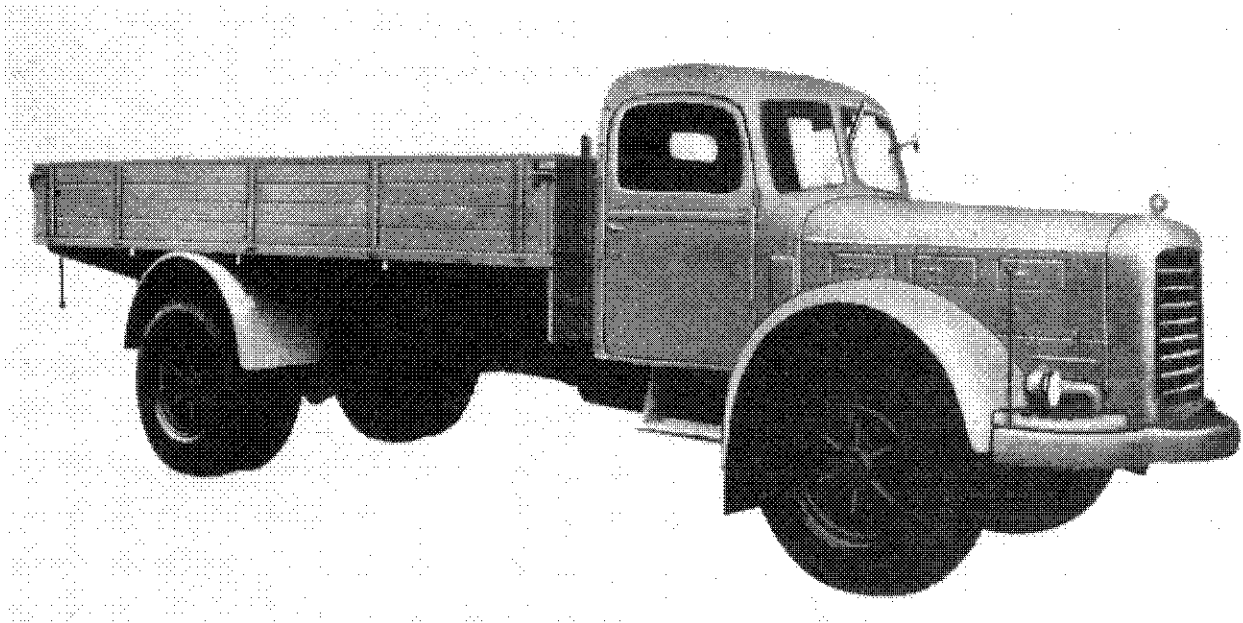
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-4-B
NDMEN: TRUCK, CARGO, 8-TON, 4X2 SKODA 706R
PRODUCED/ADOPTED: 1950-1959/

CATALOG: TB-381-5-22
IOLD 6-2320-4-41
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-4-8

NOMEN: TRUCK, CARGO, 8-TON, 4X2 SKODA 706R

PRODUCED/ADOPTED: 1950-1959/

CATALOG: TB-381-5-22

(OLD 6-2320-4-4)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-7-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 10 TON, 6X6 TATRA 111

(OLD 6-2320-4-7)

NATIVE DES: AUTO NAKLADNI TATRA 111
PRODUCED/ADOPTED: 1952-1961/COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 08AUG73

(U)THE TATRA 111, ONCE IN GENERAL USE BY THE CZECHOSLOVAK ARMY, WAS PRODUCED BY THE TATRA MOTOR VEHICLE PLANT IN BANOVCE NAD BEBRAVOU, UNTIL SUPERSEDED BY THE TATRA 137 AND THE TATRA 138 IN 1961. DESPITE ITS OBSOLESCENCE, THE TATRA 111 CONTINUES IN LIMITED USE AS A CARGO AND PERSONNEL CARRIER AND OCCASIONALLY AS A PRIME MOVER FOR HEAVY ARTILLERY.

(U)A UNIQUE FEATURE OF TATRA TRUCKS IS THE 10-INCH CENTRAL TORQUE TUBE CHASSIS, WHICH CONNECTS THE FRONT AND REAR DIFFERENTIAL HOUSINGS. THE BEVEL GEARS OF THE DRIVESHAFT ARE IN CONSTANT MESH WITH THE SWING AXLE GEARS. THERE ARE NO UNIVERSAL JOINTS.

(U)ALL WHEELS ARE INDEPENDENTLY SPRUNG. THE LEAF SPRINGS ARE INSTALLED DIAGONALLY ON THE FRONT AND INVERTED ON THE DUAL REAR AXLES. CONNECTIONS FOR SINGLE OR TWIN-LEAD TRAILER BRAKES ARE PROVIDED. TELESCOPIC SHOCK ABSORBERS ARE USED.

(U)THE DRIVER CONTROLS THE REDUCTION GEARBOX, DIFFERENTIAL LOCKS, AND ENGAGES AND DISENGAGES THE FRONT-WHEEL-DRIVE BY SIMPLE PUSHBUTTON CONTROL.

(U)A V12 AIR-COOLED ENGINE POWERS THIS VEHICLE. VARIOUS SPECIAL BODY TYPES INCLUDE THE TATRA 111 C FUEL TANKER, THE TATRA 111 NR DROPSIDE TRUCK WITH WINCH, THE TATRA 111 R DROPSIDE TRUCK WITHOUT WINCH, AND THE TATRA 111 S DUMP TRUCK.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-7-A
 NOMEN: TRUCK, CARGO, 10 TON, 6X6 TATRA 111

CATALOG: TB-381-5-22
 (OLD 6-2320-4-7)
 COUNTRY: CZECHOSLOVAKIA
 DATE UPDATED: 08AUG73

PRODUCED/ADOPTED: 1952-1961/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 8400
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 10,240
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 18,640
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?
 PERSONNEL LOAD (NR) --- 4 IN CAB 20 REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 22,000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8300
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 2670
 CARGO SPACE-
 -LENGTH ----- 5000
 -WIDTH ----- 2340
 -HGT OF SIDES ----- 870
 TREAD, C TO C-
 -FRONT ----- 2080
 -REAR ----- 1800
 WHEELBASE ----- 4785
 GROUND CLEARANCE ----- 290
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 52
 TURNING RADIUS (MM) ----- 10,000
 FORDING DEPTH (MM) ----- ?
 FUEL CONSUM, LOADED -
 -ROAD (L/100KM) ----- 40
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 337
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 61
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- 45 DEG
 ANGLE OF DEPARTURE (DEG) --- 22 DEG
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- TATRA 111
 TYPE ----- V-12, 4-STROKE, OHV
 MAX HP AT RPM ----- 180 @ 1800
 MAX TORQUE (KGM) -----
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 110
 STROKE (MM) ----- 130
 DISPLACEMENT (LITERS) 14.825

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 X 20
 -PLY ----- 14
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 510
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 135
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC AIR ASS'T
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- *1
 -REAR ----- *2

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- YES
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

1/ QUARTER-ELLIPTIC SPRINGS
 2/ INVERTED SEMIELLIPTIC SPRINGS

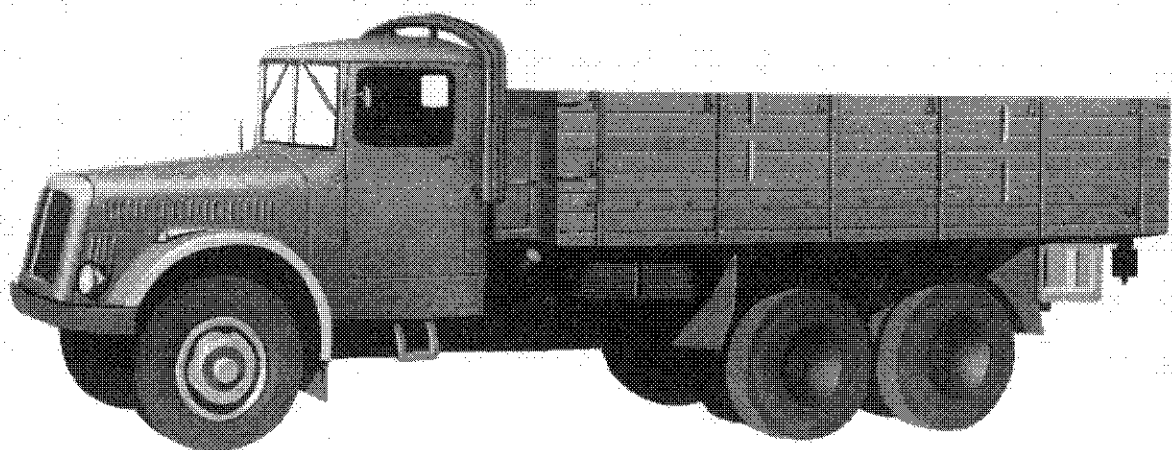
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-7-B
NOMEN: TRUCK, CARGO, 10 TON, 6X6 TATRA 111
PRODUCED/ADOPTED: 1952-1961/

CATALOG: TB-381-5-22
(OLD 6-2320-4-7)
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 08AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-7-6

NOMEN: TRUCK, CARGO, 10 TON, 6X6 TATRA 111

PRODUCED/ADOPTED: 1952-1961/

CATALOG: T8-381-5-22

(OLD 6-2320-4-7)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 08AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-8-A

CATALOG: TB-381-5-22

NOMEN: TRUCK CARGO 7-TON 4X4 TATRA 138

(OLD 6-2320-4-8)

NATIVE DES: AUTO NAKLADNI TATRA 138
PRODUCED/ADOPTED: 1961 TO DATECOUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73

(U)THE 7-TON TATRA 138, PRODUCED BY THE TATRA NATIONAL ENTERPRISE IN KOPRIVNICE, C.S.S.R., IS A LIGHTER VERSION OF THE TRUCK, CARGO, 12-TON, 6 X 6 TATRA 138 (FOM-2320-6-4-17). BOTH WERE DESIGNED TO REPLACE THE TATRA 111 (FOM-2320-6-4-7).

(U)A UNIQUE FEATURE OF TATRA TRUCKS IS THEIR CENTRAL TORQUE TUBE CHASSIS, WHICH CONNECTS THE FRONT AND REAR DIFFERENTIAL HOUSINGS. THEY HAVE NO UNIVERSAL JOINTS. THE SUSPENSION SYSTEM CONSISTS OF INDIVIDUAL WHEEL SUSPENSION WITH TORSION BARS FRONT AND REAR. THE HYDRAULIC BRAKING SYSTEM IS AIR ASSISTED AND CONNECTIONS FOR SINGLE- AND TWIN-LEAD TRAILER BRAKES ARE PROVIDED ON THE REAR OF THE TRUCK.

(U)A LIGHTER, MORE ECONMICAL V8 DIESEL ENGINE REPLACES THE BULKY 12-CYLINDER DIESEL ENGINE USED IN THE TATRA 111 SERIES. THE NEW 180-HORSEPOWER AIR-COOLED ENGINE PERMITS EASIER ACCESS TO THE VARIOUS SUBASSEMBLIES AND PARTS FOR REPLACEMENT FACILITY.

(U)THE BASIC TATRA 138 CARGO TRUCK OF THIS SERIES SERVES AS A CARGO AND PERSONNEL CARRIER, AS WELL AS A PRIME MOVER. OTHERS IN THIS SERIES INCLUDE THE TATRA 138 NT TRUCK TRACTOR AND THE TATRA 138 S1 DUMP TRUCK.

(U)IN EXTERNAL APPEARANCE, THE TATRA 138, 7-TON, 4 X 4 TRUCK IS IDENTICAL TO THE TATRA 138, 12-TON, 6 X 6 TRUCK EXCEPT THAT THE 4 X 4 TRUCK HAS A SHORTER CARGO BODY AND TWO AXLES INSTEAD OF THREE AXLES AS ON THE 6 X 6 TRUCK. THE 4 X 4 TATRA 138 IS EASILY RECOGNIZED BY THE SLOPING HOOD AND FENDERS, AS WELL AS BY THE UNUSUAL GRILLE DESIGN. (SEE (FOM-2320-6-4-17)

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-8-A
 NOMEN: TRUCK CARGO 7-TON 4X4 TATRA 138

CATALOG: TB-381-5-22
 (OLD 6-2320-4-8)
 COUNTRY: CZECHOSLOVAKIA
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1961 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 9850
 -PAYLOAD OFF HWY ----- 7197
 -PAYLOAD ON HWY ----- 9197
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 13047
 -GROSS ON HWY ----- 15047
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 2486
 -EMPTY REAR ----- 3364
 -LOADED FRONT OFF HWY ----- 4240
 -LOADED REAR OFF HWY ----- 8807
 -LOADED FRONT ON HWY ----- 2989
 -LOADED REAR ON HWY ----- 6208
 PERSONNEL LOAD (NR) ----- 3 IN CAB, 16 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 5800
 -ON HWY ----- 9500
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7220
 WIDTH O/ALL ----- 2350
 HEIGHT O/ALL ----- 2400
 CARGO SPACE-
 -LENGTH ----- 4450
 -WIDTH ----- 2200
 -HGT OF SIDES ----- 490
 TREAD, C TO C-
 -FRONT ----- 2
 -REAR ----- 2
 WHEELBASE ----- 4550
 GROUND CLEARANCE ----- 290
 PINTLE HEIGHT ----- 7
 HGT TO C OF 5TH WHL ----- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 36
 TURNING RADIUS (MM) ----- 7500
 FORDING DEPTH (MM) ----- 7
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 19
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 764
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 100
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ----- 7
 ANGLE OF DEPARTURE (DEG) ----- 7
 VERTICAL OBSTACLE (MM) ----- 7
 TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- TATRA - 928
 TYPE ----- V-8, 4 CYCLE
 MAX HP AT RPM ----- 180 AT 2000
 MAX TORQUE (KGM) ----- 70 AT 1400
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 120
 STROKE (MM) ----- 130
 DISPLACEMENT (LITERS) 11.752

FOM NR ----- FOM 2815-2-1-2

GENERAL DATA:

TIRES-
 -SIZE ----- 10.00 X 20
 -PLY ----- 12
 -TYPE ----- 7
 -LOADED RADIUS (MM) - 500
 -INFLATION SYSTEM ----- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 144
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- AIR HYDRAULIC
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- TORSION BAR
 -REAR ----- TORSION BAR
 TRANSMISSION-
 -TYPE ----- #1
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- YES
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ MANUAL; SYNCHRONESH IN 2D, 3D, 4TH,
 AND 5TH GEARS.

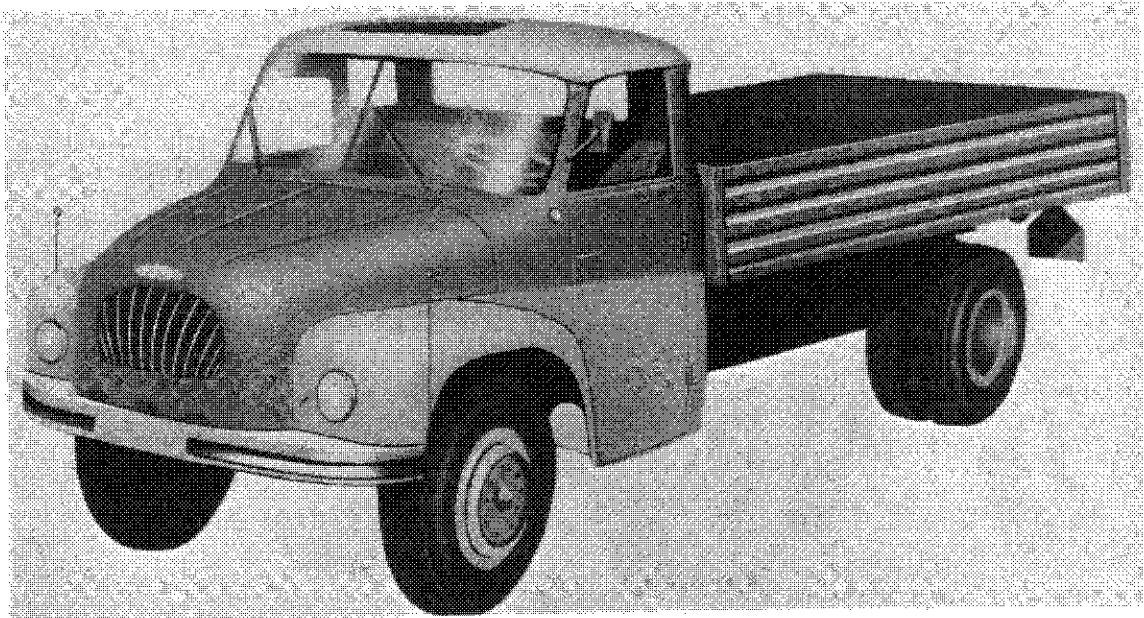
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-6-4-8-8
NOMEN: TRUCK CARGO 7-TON 4X4 TATRA 138
PRODUCED/ADOPTED: 1961 TO DATE

CATALOG: TB-381-5-22
(OLD 6-2320-4-81
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-6-4-8-B
NOMEN: TRUCK CARGO 7-TON 4X4 TATRA 138
PRODUCED/ADOPTED: 1961 TO DATE

CATALOG: TB-381-5-22
(OLD 6-2320-4-8)
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-6-4-9-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 1 1/2-TON, 4X4, TATRA 805

(OLD 6-2320-4-9)

NATIVE DES: AUTO, NAKLADNI, TATRA 805
PRODUCED/ADOPTED: 1953 TO DATE

COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73

(U)THE 1 1/2-TON TATRA 805, PRODUCED BY THE TATRA MOTOR VEHICLE PLANT IN KOPRIVNICE, REPLACED THE OLDER PRAGA A 150 CARGO TRUCK AS A MILITARY TRANSPORT VEHICLE FOR THE CZECHOSLOVAK ARMY. DESIGNED FOR MILITARY USE, IT HAS HIGH GROUND CLEARANCE AND A COMMANDER'S CUPOLA ON THE CAB TOP. IT IS USED BY THE ARMY AS A CARGO AND PERSONNEL CARRIER, MOBILE REPAIR SHOP, AMBULANCE, AND PRIME MOVER.

(U)THE VEHICLE INCORPORATES THE UNIQUE TATRA 10-INCH TORQUE TUBE DRIVE. THE DRIVESHAFT TURNS IN A FIXED POSITION WITHIN THE TORQUE TUBE. SWING AXLES IN BOTH FRONT AND REAR PIVOT ABOUT THE DIFFERENTIALS WITH INDEPENDENT TORSION-BAR SUSPENSION ON ALL FOUR WHEELS. NO UNIVERSAL JOINTS ARE NEEDED.

(U)THIS TRUCK IS PARTICULARLY DIFFICULT TO MAINTAIN BECAUSE OF POOR ACCESS TO THE ENGINE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-9-A
NOMEN: TRUCK, CARGO, 1 1/2-TON, 4X4, TATRA 805

CATALOG: TB-381-5-22
(OLO 6-2320-4-9)
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1953 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 2850
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 1540
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 4390
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 1590
-EMPTY REAR ----- 1260
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY -- ?
-LOADED FRONT ON HWY -- 1844
-LOADED REAR ON HWY --- 2546
PERSONNEL LOAD (NR) --- 3 IN CAB, 12 IN REAR
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- 2000
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 4660
WIDTH U'ALL ----- 2010
HEIGHT O'ALL ----- 2380
CARGO SPACE-
-LENGTH ----- 3050
-WIDTH ----- 1890
-HGT OF SIDES ----- ?
TREAD, C TO C-
-FRONT ----- ?
-REAR ----- ?
WHEELBASE ----- 2700
GROUND CLEARANCE ----- 399
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60%
TURNING RADIUS (MM) ----- 4110
FORDING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 21
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 563
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 80
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- ?
ANGLE OF DEPARTURE (DEG) --- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- TATRA 603A
TYPE ----- V-8,
MAX HP AT RPM ----- 75 AT 4200
MAX TORQUE (KGM) -----
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - AIR
BORE (MM) ----- 73.7
STROKE (MM) ----- 71.1
DISPLACEMENT (LITERS) 9467

FOM NR ----- FOM-2805-6-1-1

GENERAL DATA:

TIRES-
-SIZE ----- 10.50 X 16
-PLY ----- ?
-TYPE ----- ?
-LOADED RADIUS (MM) - ?
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 80
-AUX TANK ----- 40
BRAKES-
-PRIMARY TYPE ----- HYDRAULIC
-PARKING TYPE ----- MECHANICAL
SUSPENSION SYSTEM-
-FRONT ----- TORSION BAR
-REAR ----- TORSION BAR
TRANSMISSION-
-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 4/1
TRANSFER, NR SPEEDS --- 2
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 12V
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-9-B

NOMEN: TRUCK, CARGO, 1 1/2-TON, 4X4, TATRA 805

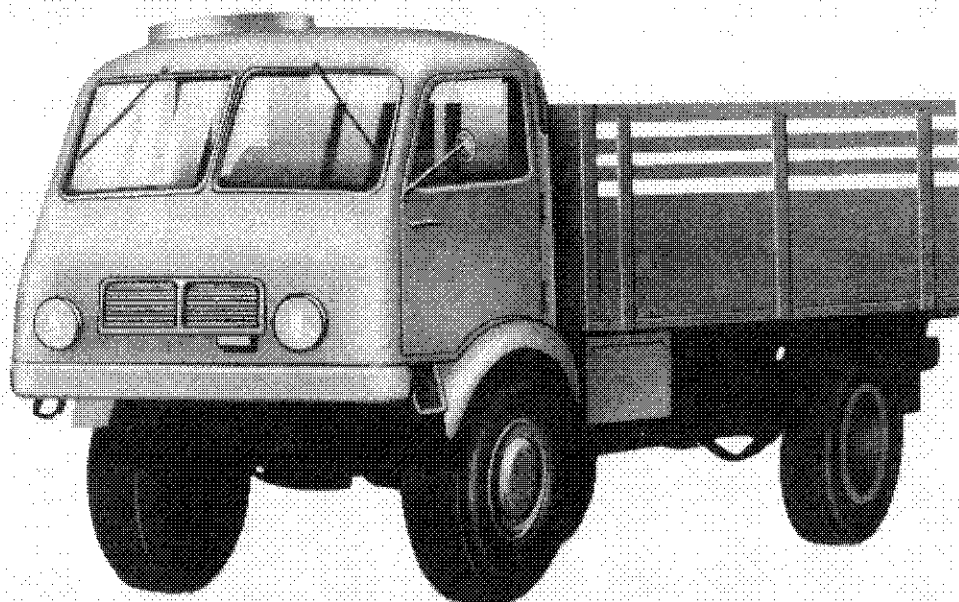
PRODUCED/ADOPTED: 1953 TO DATE

CATALOG: TR-381-5-22

(OLD 6-2320-4-9)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-9-8

NOMEN: TRUCK, CARGO, 1 1/2-TON, 4X4, TATRA 805

PRODUCED/ADOPTED: 1953 TO DATE

CATALOG: T8-381-5-22

(OLD 6-2320-4-9)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-11-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 3-1/2 TON, 6X6, PRAGA V3S

(OLD 6-2320-4-11)

NATIVE DES: AUTO, NAKLADNI PRAGA V3S
PRODUCED/ADOPTED: 1953 TO DATE

COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 13SEP73

(U)THE PRAGA V3S CROSS-COUNTRY VEHICLE WENT INTO PRODUCTION IN 1953 AT THE KLEMENT GOTTHALD AUTO-MOBILE PLANT (FORMERLY AUTO-PRAGA). USED WIDELY AS A MILITARY TRUCK, IT IS STILL PRODUCED DESPITE ITS SOMEWHAT OUTDATED DESIGN.

(U)THE AIR-COOLED DIESEL ENGINE IS PARTLY IN THE CAB. HYPOID RING-AND-PINION DIFFERENTIAL GEARING IS USED IN ALL THREE AXLES WITH ADDITIONAL REDUCTION, USING STRAIGHT-SPUR GEARING, AT THE WHEELS. THE TWO REAR AXLES HAVE LOCKING DIFFERENTIALS CONTROLLED FROM THE CAB. A CENTRALLY LOCATED WINCH DEVICE IS DRIVEN FROM THE TRANSFER CASE.

(U)THE TRUCK CHASSIS IS USED FOR VANS, CRANES, TIMBER HAULERS, TANKERS, AND DUMP TRUCKS, AS WELL AS FOR MOUNTING THE 32-ROUND, 130-MM ROCKET LAUNCHER RM-130. THE V3S CAN ALSO BE MODIFIED TO SERVE AS A WATERTIGHT VEHICLE FOR DEEP-WATER FORDING OPERATIONS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-11-A
 NOMEN: TRUCK, CARGO, 3-1/2 TON, 6X6, PRAGA V3S

CATALOG: TB-381-5-22
 (OLD 6-2320-4-11)
 COUNTRY: CZECHOSLOVAKIA
 DATE UPDATED: 13SEPT3

PRODUCED/ADOPTED: 1953 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 5460
 -PAYLOAD OFF HWY ----- 3000
 -PAYLOAD ON HWY ----- 5000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 8460
 -GROSS ON HWY ----- 10460
 -GROSS, WATER -----
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 2048
 -EMPTY REAR ----- 3412
 -LOADED FRONT OFF HWY - 1692
 -LOADED REAR OFF HWY -- 6768
 -LOADED FRONT ON HWY -- 2092
 -LOADED REAR ON HWY --- 8368
 PERSONNEL LOAD (NR) ---- 3 IN CAB, 14 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 3500
 -ON HWY ----- 5500
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6910
 WIDTH O/ALL ----- 2310
 HEIGHT O/ALL ----- 2730
 CARGO SPACE-
 -LENGTH ----- 4010
 -WIDTH ----- 2180
 -HGT OF SIDES ----- 870
 TREAD, C TO C-
 -FRONT ----- 1870
 -REAR ----- 1755
 WHEELBASE ----- 4140
 GROUND CLEARANCE ----- 400
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60%
 TURNING RADIUS (MM) ----- 10,500
 FORDING DEPTH (MM) ----- 800
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 27
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 442
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 69
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 72 DEG
 ANGLE OF DEPARTURE (DEG) --- 32 DEG
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- TATRA 912
 TYPE ----- 6 IN-LINE, OHV
 MAX HP AT RPM ----- 98 AT 2100
 MAX TORQUE (KGM) ---- 36 AT ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 110
 STROKE (MM) ----- 130
 DISPLACEMENT (LITERS) 7412

FOM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 8.25 X 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 460
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 120
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC, AIR ASSISTED
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- CONTROLLED FROM CAB
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- MECHANICAL
 -CAPACITY (KG) ----- 3000
 -CABLE LENGTH (MM) -- 55000

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-6-4-11-8

NOMEN: TRUCK, CARGO, 3-1/2 TON, 6X6, PRAGA V35

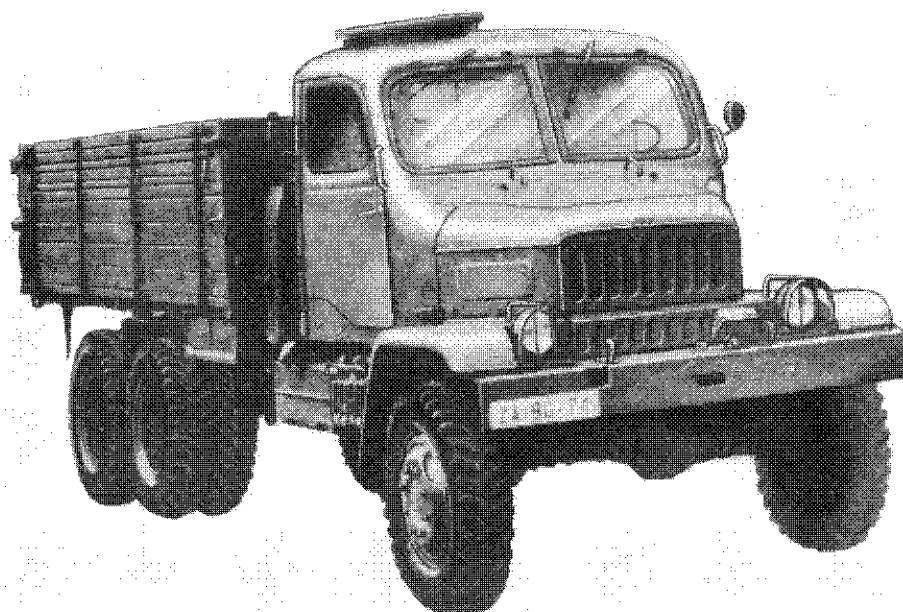
PRODUCED/ADOPTED: 1953 TO DATE

CATALOG: TB-381-5-22

(OLD 6-2320-4-11)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 13SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-11-B

NAME: TRUCK, CARGO, 3-1/2 TON, 6X6, PRAGA V3S

PRODUCED/ADOPTED: 1953 TO DATE

CATALOG: TB-381-5-22
(OLD 6-2320-4-11)
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 13SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-17-A

CATALOG: TB-381-5-22

NGMEN: TRUCK, CARGO, 12-TON, 6X6, TATRA 138

(OLD 6-2320-4-17)

NATIVE DES: AUTO NAKLADNI TATRA 138
PRODUCED/ADOPTED: 1961 TO DATECOUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73

(U)THE 12-TON TATRA 138 CARGO TRUCK, PRODUCED BY THE TATRA NATIONAL ENTERPRISE IN KOPRIVNICE, C.S.S.R., IS A HEAVIER VERSION OF THE TRUCK, CARGO, 7-TON, 4 X 4, TATRA 136 (FOM-2320-6-4-8). BOTH WERE DESIGNED TO REPLACE THE TATRA 111 (FOM-2320-6-4-7).

(U)A UNIQUE FEATURE OF TATRA TRUCKS IS THEIR CENTRAL TORQUE TUBE CHASSIS WHICH CONNECTS THE FRONT AND REAR DIFFERENTIAL HOUSINGS. THEY HAVE NO UNIVERSAL JOINTS. ALL WHEELS ARE INDEPENDENTLY SPRUNG WITH TORSION BARS IN FRONT. THE OVERLOAD SPRINGS OF THE LATER MODEL TRUCKS HAVE DOUBLE TORSION BARS, WHILE THE EARLIER MODELS HAD REAR BOGIE AND HEAVY-DUTY SEMIELLIPTIC LEAF SPRINGS. CONNECTIONS FOR SINGLE- AND TWIN-LEAD TRAILER BRAKES ARE PROVIDED AT THE REAR OF THE TRUCK.

(U)IN THE TATRA 138, A LIGHTER, MORE ECONOMICAL V8 DIESEL ENGINE REPLACES THE BULKY 12-CYLINDER DIESEL ENGINE USED IN THE TATRA 111. THE TATRA 138 ALSO FEATURES A HIGH PAYLOAD-TO-WEIGHT RATIO. THE BASIC TRUCK OF THE SERIES, THE TATRA 138 CARGO TRUCK, SERVES AS A CARGO AND PERSONNEL CARRIER AS WELL AS A PRIME MOVER. OTHERS IN THE SERIES INCLUDE THE TATRA 138 NT TRUCK TRACTOR AND THE TATRA 138 S3 DUMP TRUCK.

(U)IN EXTERNAL APPEARANCE, THE TATRA 138, 12-TON, 6 X 6 TRUCK IS IDENTICAL TO THE TATRA 138 7-TON 4 X 4 TRUCK EXCEPT THAT THE 12-TON TRUCK HAS A LONGER CARGO BODY AND HAS THREE AXLES INSTEAD OF TWO AXLES. (SEE FOM-2320-6-4-8)

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-6-4-17-A
NOMEN: TRUCK, CARGO, 12-TON, 6X6, TATRA 138

CATALOG: TB-381-5-22
(OLD 6-2320-4-17)
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1961 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 8000
-PAYLOAD OFF HWY ----- 12,000
-PAYLOAD ON HWY ----- 14230
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- 20000
-GROSS ON HWY ----- 22230
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 4320
-EMPTY REAR ----- 3680
-LOADED FRONT OFF HWY -- 7000
-LOADED REAR OFF HWY -- 6500
-LOADED FRONT ON HWY -- 7790
-LOADED REAR ON HWY -- 14440
PERSONNEL LOAD (NR) ---- 3 IN CAB; 20 IN REAR
MAX TOWED LOAD (KG)-
-OFF HWY ----- 10,000
-ON HWY ----- ?
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8215
WIDTH O'ALL ----- 2350
HEIGHT O'ALL ----- 2440
CARGO SPACE-
-LENGTH ----- 5440
-WIDTH ----- 2190
-HGT OF SIDES ----- 500
TREAD, C TO C-
-FRONT ----- 1930
-REAR ----- 1660
WHEELBASE ----- 4610
GROUND CLEARANCE ----- 290
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 2
TURNING RADIUS (MM) ----- ?
FORDING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 30
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 400
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 72
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- ?
ANGLE OF DEPARTURE (DEG) --- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- TATRA 928 K
TYPE ----- V-8 OHV
MAX HP AT RPM ----- 220 AT 2000
MAX TORQUE (KG) ---- 85 AT 1200
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - AIR
BORE (MM) ----- 120
STROKE (MM) ----- 130
DISPLACEMENT (LITERS) 11.75

FORM NR ----- 2815-2-1-1

GENERAL DATA:

TIRES-
-SIZE ----- 10.00 X 20
-PLY ----- ?
-TYPE ----- ?
-LOADED RADIUS (MM) - ?
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 120
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- AIR-HYDRAULIC
-PARKING TYPE ----- MECHANICAL
SUSPENSION SYSTEM-
-FRONT ----- TORSION BAR
-REAR ----- TORSION BAR
TRANSMISSION-
-TYPE ----- #1
-NR SPEEDS FWD/RVSE - 5/1
TRANSFER, NR SPEEDS --- 2
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 12V
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

1/ MANUAL; SYNCHROMESH IN 2D, 3D, 4TH, AND 5TH GEARS

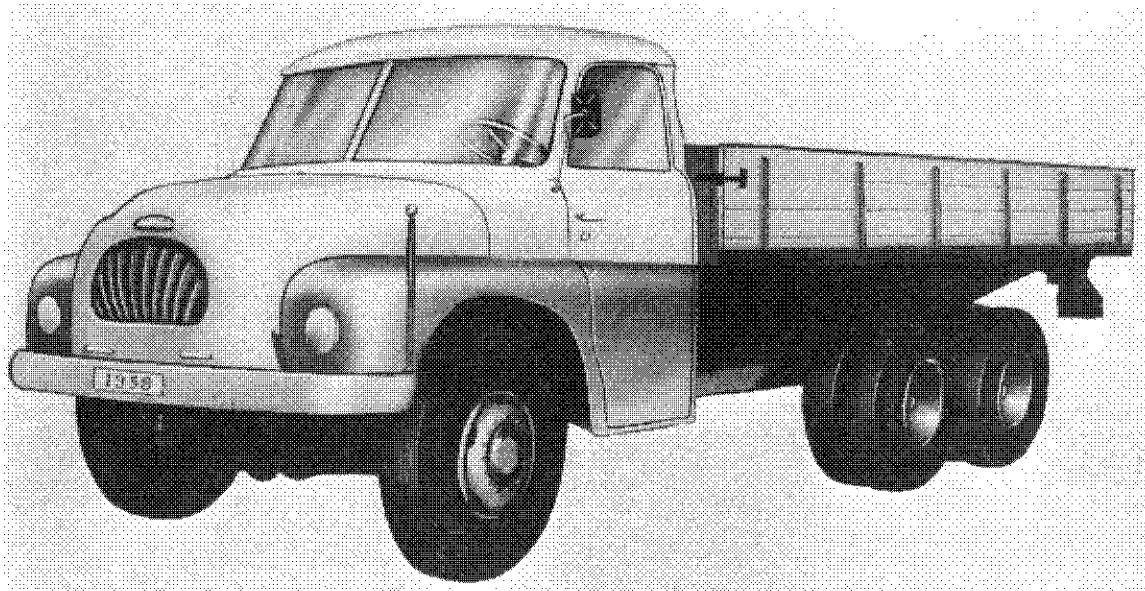
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-6-4-17-8
NOMEN: TRUCK, CARGO, 12-TON, 6X6, TATRA 138
PRODUCED/ADOPTED: 1961 TO DATE

CATALOG: TB-381-5-22
(OLD 6-2320-4-17)
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-6-4-17-5

NOMEN: TRUCK, CARGO, 12-TON, 6X6, TATRA 138

PRODUCED/ADOPTED: 1961 TO DATE

CATALOG: T8-381-5-22

ICLD 6-2320-4-171

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FOM-2320-6-4-20-A

U N C L A S S I F I E D

CATALOG: TB-381-S-22

NDMEN: TRUCK, CARGO, 5 1/2 TON, 4X2, PRAGA S5T

(OLD 6-2320-4-20)

NATIVE DES: AUTO, NAKLADNI, PRAGA S5T

COUNTRY: CZECHOSLOVAKIA

PRODUCED/ADOPTED: 1957 TO 1963

DATE UPDATED: 30AUG73

(U)THE PRAGA S5T, A 4 X 2 VERSION OF THE 6 X 6 PRAGA V3S (FOM-2320-6-4-11), IS USED AS AN ADMINIS-
TRATIVE VEHICLE. BOTH THE S5T AND THE V3S USE THE SAME AIR-COOLED ENGINE, AND SHARE A NUMBER OF
OTHER COMPONENTS, WHICH FACILITATES PRODUCTION.

(U)THE S5T HAS A 5 1/2-TON CAPACITY AND CAN HAUL AN 8-TON TRAILER UP A 15% GRADE. THE CHASSIS OF
THE S5T CAN BE USED FOR VARIOUS TYPES OF TRUCK BODIES, INCLUDING TANKERS AND VANS. A 3-WAY DUMP
TRUCK IS BEING PRODUCED, AS IS A TRACTOR TRUCK. THE PRINCIPAL RECOGNITION FEATURE OF THE S5T IS ITS
SHORT, SLANTING, STREAMLINED HOOD.

(U)LATE IN 1963, THE PRAGA S5T-2 WENT INTO SERIAL PRODUCTION. IN THIS MODERNIZED VERSION OF THE
S5T, THE TATRA 912 ENGINE WAS REPLACED BY THE TATRA 912-2 ENGINE, WHICH DEVELOPS 110 HORSEPOWER AT
2200 REVOLUTIONS PER MINUTE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-20-A
 NOME: TRUCK, CARGO, 5 1/2 TON, 4X2, PRAGA S5T

CATALOG: TB-381-5-22
 (OLD 6-2320-4-20)
 COUNTRY: CZECHOSLOVAKIA
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1957 TO 1963

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4500
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 5000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 9725
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 2580
 -LOADED REAR ON HWY - 7180

PERSONNEL LOAD (NR) ----- 3 IN CAB, 14 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 6000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6650
 WIDTH O/ALL ----- 2355
 HEIGHT O/ALL ----- 2350
 CARGO SPACE-

-LENGTH ----- 4020
 -WIDTH ----- 2190
 -HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- 1860
 -REAR ----- 1650

WHEELBASE ----- 4090

GROUND CLEARANCE ----- 290

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 25% W/O TRAILER

TURNING RADIUS (MM) ----- 9000

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 19
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 630
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 70
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- 63

ANGLE OF DEPARTURE (DEG) --- 24

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- TATRA 912
 TYPE ----- 6 CYLINDER IN-LINE OHV
 MAX HP AT RPM ----- 98 AT 2100
 MAX TORQUE (KGM) ----- 36 AT ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) 7412

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 9.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 490
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 120
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC AIR-ASSISTED
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- #1

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) --- ?

REMARKS:

1/ SEMIELLIPTIC SPRINGS W/HELPERS

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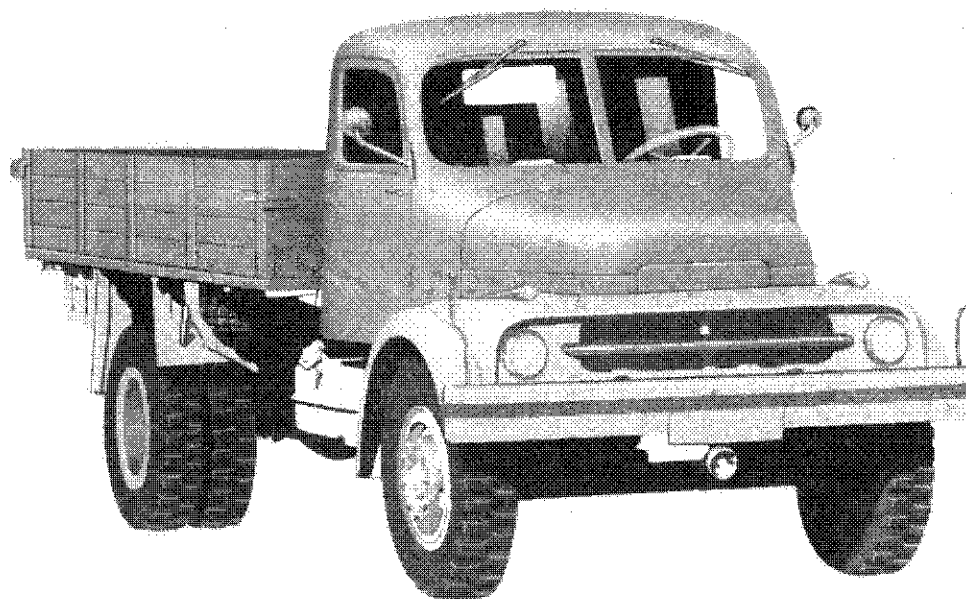
U N C L A S S I F I E D

FOM-2320-6-4-20-B

NAME: TRUCK, CARGO, 5 1/2 TON, 4X2, PRAGA S5T

PRODUCED/ADOPTED: 1957 TO 1963

CATALOG: T6-381-5-22
(OLD 6-2320-4-20)
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-6-4-20-B

NOMEN: TRUCK, CARGO, 5 1/2 TON, 4X2, PRAGA SST

PRODUCED/ADOPTED: 1957 TO 1963

CATALOG: TB-381-5-22

(OLD 6-2320-4-20)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-22-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 10 TON, 4X2, SKODA 706 RT

(OLD 6-2320-4-22)

NATIVE DES: AUTO NAKLADNI SKODA 706 RT
PRODUCED/ADOPTED: 1959 TO DATECOUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73

(U)THE SKODA 706 RT, 4 X 2, CARGO TRUCK WENT INTO PRODUCTION IN 1959 AT THE LIBERECKE AUTOMOTIVE PLANT, RYNOVICE, CZECHOSLOVAKIA. IT IS A COMPLETELY REDESIGNED AND MODERNIZED REPLACEMENT FOR THE SKODA 706 R SERIES (FOM-2320-6-4-4) AND THE INTERIM, LIMITED-PRODUCTION SKODA 906. THE NEW RT SERIES ALSO INCLUDES THE 706 RTS DUMP TRUCK, THE 706 RTD BUS, AND THE 706 RTTS TRACTOR TRUCK, AS WELL AS A NUMBER OF SPECIAL MODELS. THE DRIVER'S COMPARTMENT SEATS FOUR NORMALLY AND CAN SEAT A MAXIMUM OF SIX. THE TRUCK IS DESIGNED PRIMARILY FOR LONG-DISTANCE HAULING OF LOADS UP TO 10 TONS, AND IT CAN TOW A TRAILER WITH A TOTAL WEIGHT OF ABOUT 15 TONS WHILE NEGOTIATING A 30% GRADE.

(U)THE ENGINE IS A 4-CYCLE, 6-CYLINDER, IN-LINE, WATER-COOLED DIESEL. SUSPENSION IS PROVIDED BY SEMIELLIPTIC, LAMINATED LEAF SPRINGS WITH DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS IN THE FRONT AND OVERLOAD SPRINGS IN THE REAR.

(U)SHORTENING THE 706 RT WHEELBASE TO 4000 MILLIMETERS (FROM THE 5000 MILLIMETERS OF THE R SERIES), WITHOUT REDUCING THE LENGTH OF THE CARGO AREA, STRENGTHENED THE FRAME AND IMPROVED STABILITY DURING NEGOTIATION OF CURVES. THIS VEHICLE IS USED CHIEFLY IN THE CIVILIAN ECONOMY AND IS IN LIMITED USE IN THE CZECHOSLOVAK ARMY.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-6-4-22-A
 NOMEN: TRUCK, CARGO, 10 TON, 4X2, SKODA 706 RT

CATALOG: TB-381-5-22
 (OLD 6-2320-4-22)
 COUNTRY: CZECHOSLOVAKIA
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1959 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 6100
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 8600
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 14700
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 3290
 -EMPTY REAR ----- 2810
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 4005
 -LOADED REAR ON HWY - 10695
 PERSONNEL LOAD (NR) ----- 4 IN CAB 20 REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 15000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7600
 WIDTH O/ALL ----- 2350
 HEIGHT O/ALL ----- 2500
 CARGO SPACE-
 -LENGTH ----- 5000
 -WIDTH ----- 2245
 -HGT OF SIDES ----- 500
 TREAD, C TO C-
 -FRONT ----- 1927
 -REAR ----- 1755
 WHEELBASE ----- 4000
 GROUND CLEARANCE ----- 280
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WNL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 30
 TURNING RADIUS (MM) ----- 8200
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 25
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 700
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 70
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- 330
 TRENCH CROSSING ABILITY(MM) 500

ENGINE:

MODEL ----- SKODA 706 RT
 TYPE ----- 6 CYL IN-LINE OHV
 MAX HP AT RPM ----- 160 AT 1900
 MAX TORQUE (KGM) ----- 70 AT 1200
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 125
 STROKE (MM) ----- 160
 DISPLACEMENT (LITERS) 1178

FOM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 11.00X20
 -PLY ----- ?
 -TYPE ----- EHD
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 175
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- AIR
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- *1
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 24V (2X12V BATT)
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) --- ?

REMARKS:

1/ SEMIELLIPTIC SPRINGS W/OVERLOAD SPRINGS

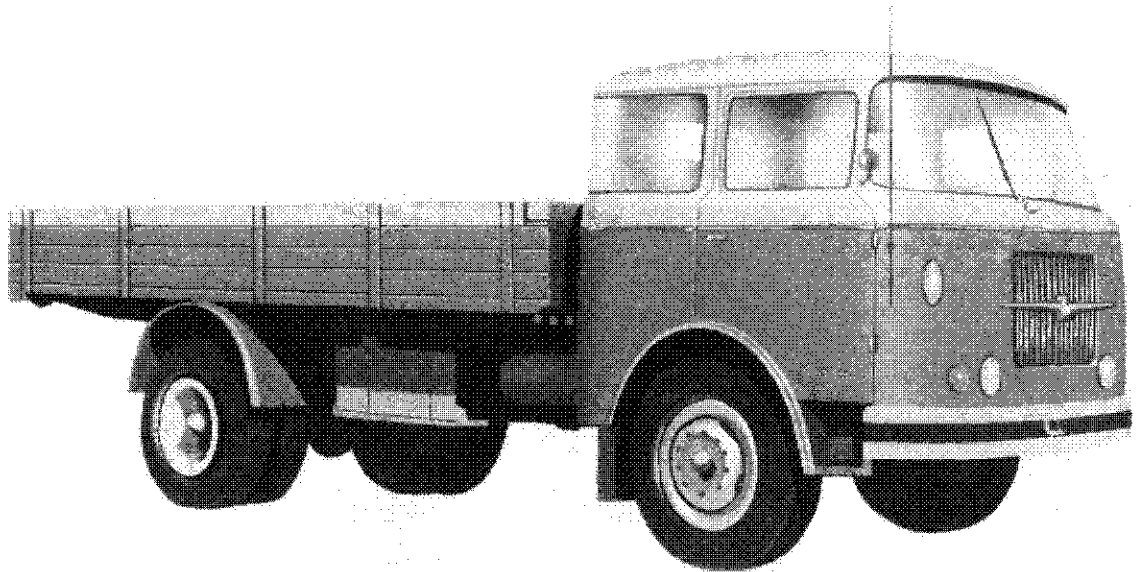
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-22-B
NOMEN: TRUCK, CARGO, 10 TON, 4X2, SKODA 706 RT
PRODUCED/AADOPTED: 1959 TO DATE

CATALOG: YB-381-5-22
(OLD 6-2320-4-22)
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOH-2320-6-4-22-8

NOMEN: TRUCK, CARGO, 10 TON, 4X2, SKODA 706 RT

PRODUCED/ADOPTED: 1959 TO DATE

CATALOG: T8-381-5-22

(OLD 6-2320-4-22)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FOM-2320-6-4-27-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 14-TON, 8X8, TATRA 813 S-1 (COLOSSUS)

(OLD 6-2320-4-27)

NATIVE DES: AUTO, NAKLAONI (KOLOS)

COUNTRY: CZECHOSLOVAKIA

PRODUCED/ADOPTED: 1964 TO DATE

DATE UPDATED: 30AUG73

(U)THE TATRA 813 S-1, DEVELOPED BY THE TATRA NATIONAL ENTERPRISE IN KOPRIVNICE, HAS BEEN PRODUCED SINCE AUGUST 1964. IT IS A SPECIALIZED VEHICLE DESIGNED TO TRANSPORT TROOPS AND HEAVY CARGO OVER DIFFICULT TERRAIN AND UNDER EXTREME CLIMATIC CONDITIONS.

(U)THE TWO FRONT AXLES OF THE TRUCK ARE STEERABLE. THE TRUCK'S RECTANGULAR FRAME IS SECURED TO A CENTRAL TORQUE TUBE CONNECTING THE TRANSMISSIONS AND DIFFERENTIAL HOUSINGS, A FEATURE UNIQUE TO TATRA TRUCKS. DRIVE SHAFTS AND SPIRAL BEVEL GEARS REVOLVE AROUND A FIXED AXIS IN THE TORQUE TUBE. GEARS REMAIN IN CONSTANT MESH WITH THE FINAL DRIVE-AXLE GEARS COUPLED TO THE SWING HALF-AXLES. THERE ARE NO UNIVERSAL JOINTS.

(U)THE TRANSMISSION'S 1 REVERSE AND 5 FORWARD SPEEDS, TOGETHER WITH THE ELECTROPNEUMATICALLY CONTROLLED, HIGH- AND LOW-RANGE TRANSFER CASE, PROVIDE 4 REVERSE AND 20 FORWARD SPEEDS.

(U)THE VEHICLE IS POWERED BY A 12-CYLINDER, AIR-COOLED, DIESEL ENGINE. ENGINE STARTING AT LOW TEMPERATURES IS INSURED BY TWO ELECTRIC STARTERS USED INDIVIDUALLY OR SIMULTANEOUSLY. TIRE PRESSURES CAN BE INDIVIDUALLY CONTROLLED BY THE DRIVER DURING OPERATION.

(U)ONE CAB DESIGN SEATS SEVEN PERSONS, INCLUDING THE DRIVER, WHILE ANOTHER DESIGN HAS NORMAL SEATING FOR TWO PERSONS, INCLUDING THE DRIVER, AND TWO AUXILIARY SEATS.

(U)THE TATRA 813 IS PRODUCED IN ANOTHER VERSION--THE TATRA 3 TRACTOR--WHICH IS DESIGNED FOR HAULING HEAVY ARTILLERY AND ROCKETS.

(U)THE 813 HAS A TOTAL OF SEVEN DIFFERENTIALS MOUNTED IN THE CENTRAL TUBE. THERE IS ONE DIFFERENTIAL AT EACH OF THE FOUR AXLES, AND THE OTHER THREE ARE INTER-AXLE DIFFERENTIALS THAT INSURE UNIFORM DISTRIBUTION OF THE TORQUE TO ALL AXLES. DIFFERENTIAL LOCKS ARE CONTROLLED ELECTROPNEUMATICALLY BY PUSHBUTTONS LOCATED IN THE CAB. THE MULTIPLICITY OF TRANSMISSIONS AND DIFFERENTIALS MAY MAKE THIS VEHICLE OVERLY COMPLICATED AND DIFFICULT TO MAINTAIN.

DATE CATALOGED: 01DEC60
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-27-A
 NOMEN: TRUCK, CARGO, 14-TON, 8XB, TATRA 813 S-1 (COLOSSUS)

CATALOG: TB-381-5-22
 (OLD 6-2320-4-27)
 COUNTRY: CZECHOSLOVAKIA
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1964 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 13,800
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 8200
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 22,000
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?
 PERSONNEL LOAD (NR) ----- 10 IN CAB, 20 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- *1
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8800
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 2780
 CARGO SPACE-
 -LENGTH ----- 5430
 -WIDTH ----- 2190
 -HGT OF SIDES ----- 490
 TREAD, C TO C-
 -FRONT ----- 2050
 -REAR ----- 2000
 WHEELBASE ----- 1650-2200-1450
 GROUND CLEARANCE ----- 380
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL - N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 65%
 TURNING RADIUS (MM) ----- 10,500
 FORDING DEPTH (MM) ----- 1500
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 41
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 895
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 80
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 35 DEG
 ANGLE OF DEPARTURE (DEG) --- 37 DEG
 VERTICAL OBSTACLE (MM) ----- 600
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- T-930
 TYPE ----- V-12, 4 CYCLE, OHV
 MAX HP AT RPM ----- 270 AT 2000
 MAX TORQUE (KGM) ----- 100 AT 1200
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 120
 STROKE (MM) ----- 130
 DISPLACEMENT (LITERS) 17.6

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 15.00 X 21
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- CAB CONTROLLED

FUEL CAP (LITERS)-

-MAIN TANK ----- 367
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- MECHANICAL, AIR ASSISTED
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- *2
 -REAR ----- *3

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- ?

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24V (2 12V BATTERIES)

WINCH-TYPE ----- MECHANICAL

-CAPACITY (KG) ----- 10,000
 -CABLE LENGTH (MM) -- 100,000

REMARKS:

1/ ITEM 4D. THE TRUCK CAN TOW A 65 METRIC-TON
 TRAILER ON HIGHWAYS OR A 11 METRIC-TON TRAILER
 CROSS-COUNTRY
 3/ SAME AS 2/

DATE CATALOGED: 01DEC66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOU-2320-6-4-27-B

NDMEN: TRUCK, CARGO, 14-TON, 6X8, TATRA 813 S-1 (COLOSSUS)

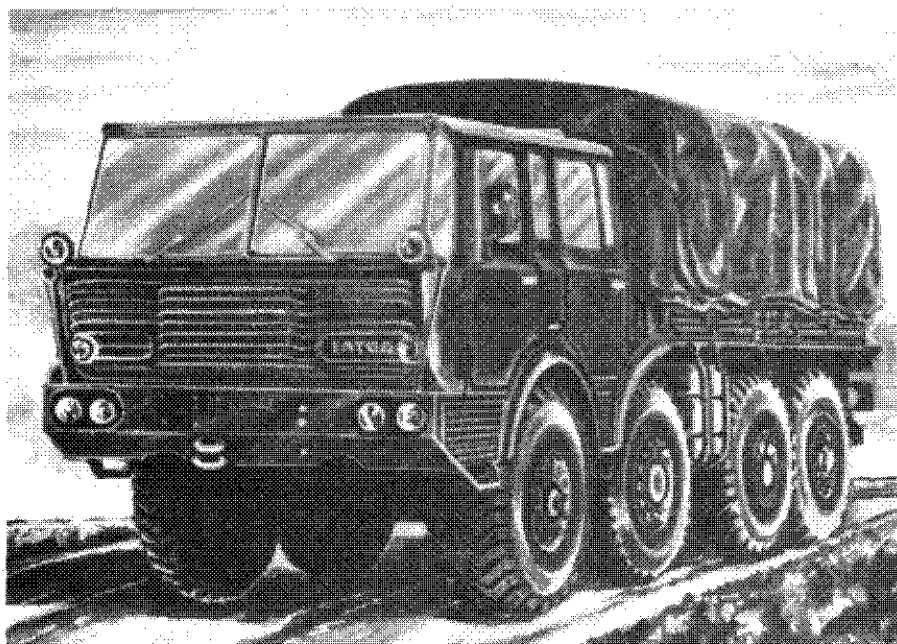
PRODUCED/ADOPTED: 1964 TO DATE

CATALOG: T8-381-5-22

IGLD 6-2320-4-271

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 30AUG73



DATE CATALOGED: 01DEC66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-6-4-27-B

NOMEN: TRUCK, CARGO, 14-TON, 8X8, TATRA 813 S-1 (COLOSSUS)

PRODUCED/ADOPTED: 1964 TO DATE

CATALOG: 18-381-5-22

(OLD 6-2320-4-27)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01DEC66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-28-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, TANK, POL, 6X6, 6800 LITERS, TATRA 111C

(OLD 6-2320-4-28)

NATIVE DES: ?

COUNTRY: CZECHOSLOVAKIA

PRODUCED/ADOPTED: 1952-1961/

DATE UPDATED: 30AUG73

(U)THE TATRA 111 C, DESIGNED TO TRANSPORT LIQUID POL PRODUCTS OVER HIGHWAYS AND CROSS-COUNTRY ROUTES, IS USED TO SERVICE AIRCRAFT OR MOTOR VEHICLES WITH FILTERED FUEL. APART FROM ITS OWN PAYLOAD, THE TATRA 111 C CAN HAUL A TRAILER OF 8000 KILOGRAMS OVER ROUGH TERRAIN OR A 14,970 KILOGRAM TRAILER OVER PAVED ROADS.

(U)MOUNTED ON A TATRA 111 TRUCK CHASSIS, THE TANK BODY IS DIVIDED INTO THREE COMPARTMENTS; EACH COMPARTMENT HAS A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP. THE TANK BODY IS EQUIPPED WITH A FUEL FILTER, METER, LEVEL INDICATOR, CONTROL VALVES, SUCTION AND DELIVERY HOSES. A SELF-PRIMING CENTRIFUGAL PUMP, POWERED BY THE VEHICLE ENGINE, CAN PUMP 500 LITERS OF FUEL AT 20 METER OF HEAD AT 1400 RPM. THE VEHICLE ALSO IS EQUIPPED WITH A HAND PUMP (DELIVERY RATE OF 50 LITERS PER MINUTE TO BE USED IN EVENT OF MAIN DELIVERY PUMP FAILURE.

DATE CATALOGED: 01JUN68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-28-A
 NOMEN: TRUCK, TANK, POL, 6x6, 4800 LITERS, TATRA 111C

PRODUCED/ADOPTED: 1952-1961/

CATALOG: TB-381-5-22
 (OLD 6-2320-4-28)
 COUNTRY: CZECHOSLOVAKIA
 DATE UPDATED: 30AUG73

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 11,110
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 6170
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 17,280
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY -- ?
 PERSONNEL LOAD (NR) ----- 3 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 14970
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8230
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 2940
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 4775
 GROUND CLEARANCE ----- ?
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 62%
 TURNING RADIUS (MM) ----- 10,000
 FORDING DEPTH (MM) ----- 800
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 34
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 336
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 61
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 45 DEG
 ANGLE OF DEPARTURE (DEG) --- 23 DEG
 VERTICAL OBSTACLE (MM) ----- 7
 TRENCH CROSSING ABILITY (MM) ?

REMARKS:

1/ INVERTED SEMIELLIPITIC SPRINGS
 2/ SELF-PRIMING CENTRIFUGAL

ENGINE:

MODEL ----- TATRA 111
 TYPE ----- V-12, 4 STROKE, OHV
 MAX HP AT RPM ----- 180 AT 1800
 MAX TORQUE (KGM) ----- 75 @ 1400
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 110
 STROKE (MM) ----- 130
 DISPLACEMENT (LITERS) 14.8

FOM NR ----- 2815-6-1-4

GENERAL DATA:

TIRES-
 -SIZE ----- 11.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 135
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYD., AIR-ASSISTED
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- QUARTER-ELLIPTIC SPRINGS
 -REAR ----- *1
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24V
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) --- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 3
 LG X WD X HGT (MM) - ?
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 6,800

PUMP:

TYPE ----- *2
 MODEL ----- ?
 SPEED RPM ----- 1400
 CAPACITY (LITERS P/MIN) ----- 500

HOSES:

SUCTION HOSE LENGTH (M) ----- 2
 -DIAMETER (MM) ----- ?
 DELIVERY HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- ?
 AUX DELIVERY HOSE LGTH (M) --- N/A
 -DIAMETER (MM) ----- N/A

DATE CATALOGED: 01JUN68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-28-8
NOMEN: TRUCK, TANK, POL, 5X6, 6800 LITERS, TATRA 111C
PRODUCED/ADOPTED: 1952-1961/

CATALOG: TB-381-5-22
TOLD 6-2320-4-281
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73



DATE CATALOGED: 01JUN68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOU-2320-6-4-28-8
NOMEN: TRUCK, TANK, POL, 6X6, 6800 LITERS, TATRA ILIC
PRODUCED/ADOPTED: 1952-1961/

CATALOG: TB-381-5-22
(OLD 6-2320-4-281
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01JUN68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-29-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, TANK, POL, 6X4 12,000 LITERS, T 138 C-12

IOLD 6-2320-4-29)

NATIVE DES: CISTERNOVY AUTOMOBIL T 138 C-12
PRODUCED/ADOPTED: 77

COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73

(U)THIS TANK TRUCK IS DESIGNED TO TRANSPORT AND DISPENSE GASOLINE OR DIESEL FUEL. IT CAN ALSO TOW A 12,000 LITER, TWO-AXLE TANK TRAILER. THE TANK BODY IS MOUNTED ON A TATRA 138 CHASSIS AND IS DIVIDED INTO THREE COMPARTMENTS; EACH COMPARTMENT HAS A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP.

(U)A CABINET ON THE RIGHT SIDE OF THE TANK BODY HOUSES A FUEL FILTER, A METER, A LEVEL INDICATOR, THE CONTROL VALVES, AND ELECTRIC MOTOR, AND THE DELIVERY PUMP. A CABINET ON THE LEFT SIDE OF THE TANK BODY HOUSES 300 KILOGRAMS OF OIL. HOSES ARE STORED IN COMPARTMENTS LOCATED ON EACH SIDE OF THE TANK.

(U)THE DELIVERY PUMP IS EITHER POWERED BY THE TRUCK'S TRANSMISSION, OR BY AN ELECTRIC MOTOR. IT HAS A DELIVERY RATE OF 600 LITERS OF FUEL PER MINUTE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-29-A
NOMEN: TRUCK, TANK, POL, 6X4 12,000 LITERS, T 138 C-12

CATALOG: T8-381-5-22
(OLD 6-2320-4-29)
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ?/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 12300
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 8150
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 20,450
-GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
-EMPTY REAR ----- ?
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY - ?
-LOADED REAR ON HWY - ?
PERSONNEL LOAD (NRI) ----- 3 IN CAB
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- ?
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8560
WIDTH O'ALL ----- 2470
HEIGHT O'ALL ----- 2770
CARGO SPACE-
-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A
TREAD, C TO C-
-FRONT ----- ?
-REAR ----- ?
WHEELBASE ----- 4928
GROUND CLEARANCE ----- ?
PINTLE HEIGHT ----- 940
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) --- ?
TURNING RADIUS (MM) ----- ?
FORDING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 30
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- ?
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 72
-WATER -----
ANGLE OF APPROACH (DEG) ---- ?
ANGLE OF DEPARTURE (DEG) --- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ SELF-PRIMING CENTRIFUGAL ?

ENGINE:

MODEL ----- T 928K
TYPE ----- V8, OHV, 4 STROKE
MAX HP AT RPM ----- 220 AT 2000
MAX TORQUE (KGM) ----- 87 @ 1200
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - AIR
BORE (MM) ----- 119
STROKE (MM) ----- 130
DISPLACEMENT (LITERS) 11.7

FOM NR ----- FOM-2815-6-1-1

GENERAL DATA:

TIRES-

-SIZE ----- 1100 X 20
-PLY ----- ?
-TYPE ----- ?
-LOADED RADIUS (MM) - ?
-INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
-AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- HYD. AIR-ASSISTED
-PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
NR COMPARTMENTS --- 3
LG X WD X HGT (MM)- ?
WEIGHT-EMPTY (KG) - ?
CAPACITY (LITERS) - 12,000

PUMP:

TYPE ----- #1
MODEL ----- ?
SPEED RPM ----- ?
CAPACITY (LITERS P/MIN) ----- 600

HOSES:

SUCTION HOSE LENGTH (M) ---- ?
-DIAMETER (MM) ----- ?
DELIVERY HOSE LENGTH (M) ---- ?
-DIAMETER (MM) ----- ?
AUX DELIVERY HOSE LGTH (M) -- N/A
-DIAMETER (MM) ----- N/A

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-29-B

NOMEN: TRUCK, TANK, POL, 6X4 12,000 LITERS, T 138 C-12

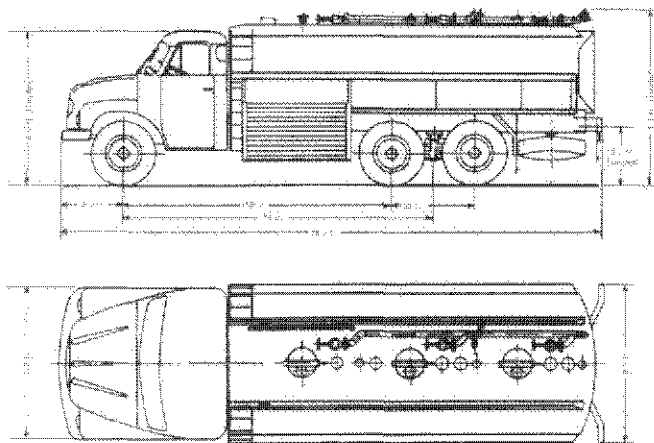
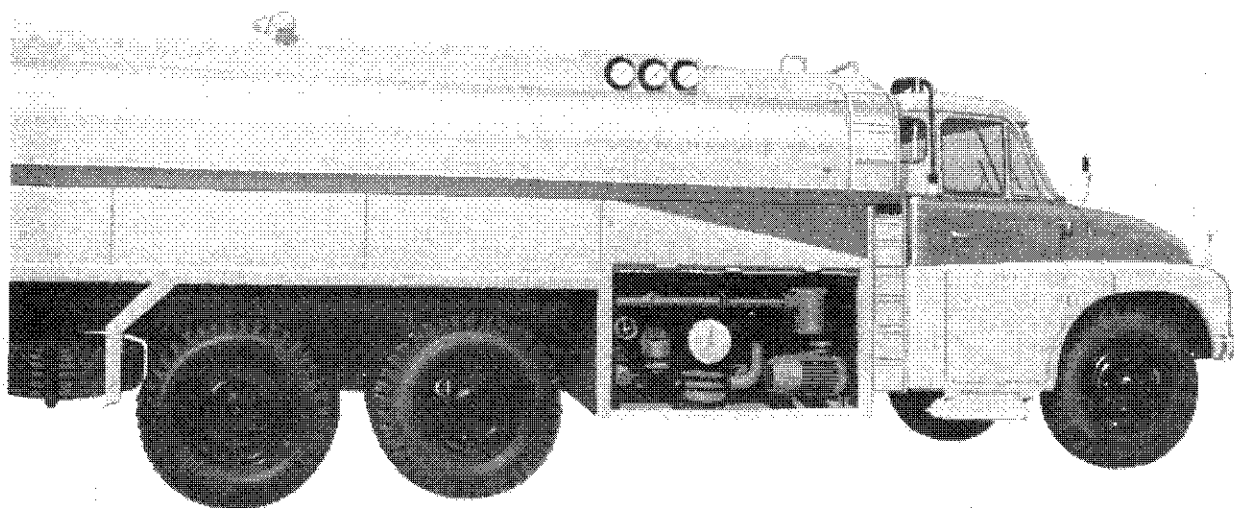
PRODUCED/ADOPTED: 77

CATALOG: TB-381-5-22

(OLD 6-2320-4-29)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 30AUG73



DATE CATALOGED: 01JUN69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-6-4-29-8

NOMEN: TRUCK, TANK, POL, 6X4 12,000 LITERS, T 138 C-12

PRODUCED/ADAPTED: ??

CATALOG: T8-381-5-22

(OLD 6-2320-4-29)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01JUN69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-6-4-30-A

CATALOG: TD-381-5-22

NOMEN: TRUCK, DUMP 10 TON, 6X6 TATRA 111 S

FILE 6-2320-4-301

NATIVE DES: VYKLOPNÝ VOZ TATRA 111 S
PRODUCED/ADOPTED: 1952-1961/

COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73

(U)THE TATRA 111 S IS THE DUMP TRUCK VERSION OF THE TATRA 111 R DROPSIDE CARGO TRUCK (FDM-2320-6-4-71). THE 111 SERIES, WHICH WERE ONCE THE LARGEST TRUCKS PRODUCED IN CZECHOSLOVAKIA, HAVE BEEN REPLACED IN PRODUCTION BY THE TATRA 138 SERIES. THE 111 S HAS CROSS-COUNTRY CAPABILITY AND IS EXCELLENT FOR MILITARY OPERATIONS. THE SEAT AND THE SEAT BACK OF THE CAB CAN BE CONVERTED INTO TWO COTS. THE BODY CAN DUMP TO EITHER SIDE OR TO THE REAR.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-30-A
 NOMEN: TRUCK, DUMP 10 TON, 6X6 TATRA 111 S

CATALOG: TB-381-5-22
 IOLO 6-2320-4-30
 COUNTRY: CZECHOSLOVAKIA
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1952-1961/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 8400
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 10,240
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 18640
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 3520
 -EMPTY REAR ----- 2440 (EA)
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 6160
 -LOADED REAR ON HWY -- 6240 (EA)
 PERSONNEL LOAD (NR) --- 3 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8300
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 2680
 CARGO SPACE-
 -LENGTH ----- 5000
 -WIDTH ----- 2340
 -HGT OF SIDES ----- 870
 TREAD, C TO C-
 -FRONT ----- 2080
 -REAR ----- 1800
 WHEELBASE ----- 4785
 GROUND CLEARANCE ----- 290
 PINTLE HEIGHT ----- 665
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 52%
 TURNING RADIUS (MM) ----- 20,000
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 40
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 333
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 61.5
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- 45 DEG
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) 2

ENGINE:

MODEL ----- TATRA 111 A
 TYPE ----- V-12, 4 STROKE, OHV
 MAX HP AT RPM ----- MAX HP AT RPM - 180 AT 180
 MAX TORQUE (KGM) ----- MAX TORQUE AT RPM (KGM) ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 110
 STROKE (MM) ----- 130
 DISPLACEMENT (LITERS) 14.8

FOM NR ----- 2815-6-1-4

GENERAL DATA:

TIRES-
 -SIZE ----- 11.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 135
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- PNEUMATIC
 -PARKING TYPE ----- MECHANICAL ?
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLPTIC
 -REAR ----- SEMIELLPTIC
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- ?
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 24V
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

PUMPS:

HOSES:

REMARKS:

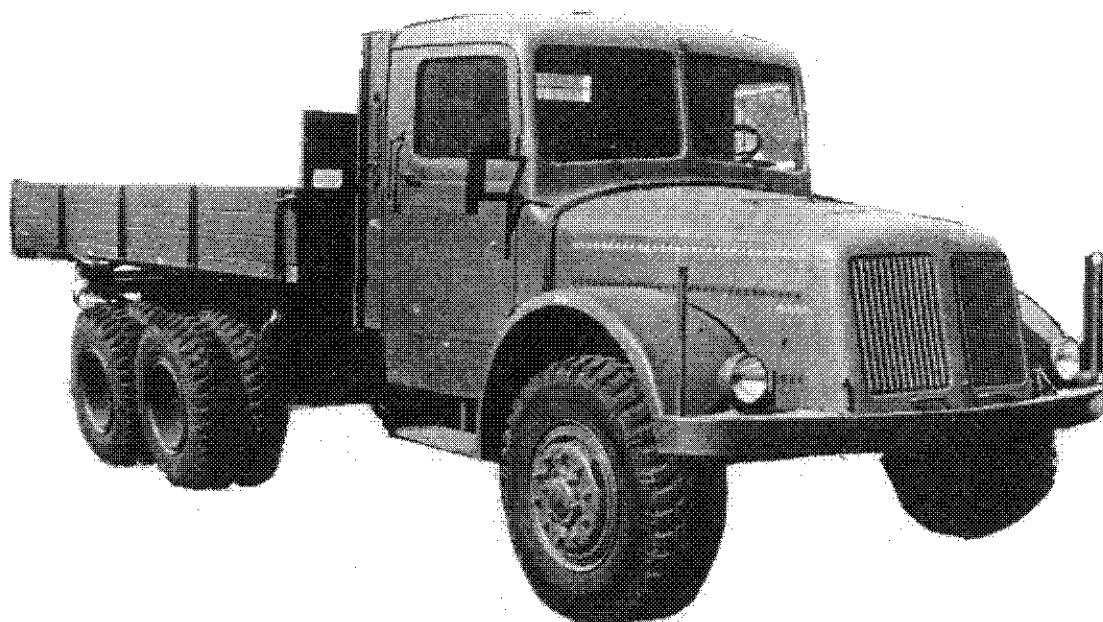
DATE CATALOGED: 31JUN69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-6-4-30-8
NOMEN: TRUCK, DUMP 10 TON, 6X6 TATRA III S
PRODUCED/ADOPTED: 1952-1961/

CATALOG: TB-381-5-22
IOLG 6-2320-4-301
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-30-S

NOMEN: TRUCK, DUMP 10 TON, 6X6 TATRA 111 S

PRODUCED/ADOPTED: 1952-19617

CATALOG: TB-381-S-22

(OLD 6-2320-4-30)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

EDM-2320-6-4-31-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, DUMP, 13-TON TATRA T 138 S3 M

(OLD 6-2320-4-31)

NATIVE DES: VY*KLOPNY VUZ TATRA 138 S3 M
PRODUCED/ADOPTED: 1967-DATE/

COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73

(U)THE TATRA 138 SERIES OF TRUCKS REPLACED THE TATRA 111 SERIES IN PRODUCTION IN 1967, AND THE TATRA T 138 S3 M IS THE LATEST AND LARGEST DUMP TRUCK NOW IN SERIES PRODUCTION IN CZECHOSLOVAKIA. THIS VEHICLE IS EQUIPPED WITH DOUBLE-ACTION TELESCOPIC HYDRAULIC SHOCK ABSORBERS, CENTRAL TORQUE TUBE CHASSIS, AND A BODY THAT CAN DUMP TO EITHER SIDE OR TO THE REAR.

(U)PRODUCED BY THE TATRA MOTOR VEHICLE PLANT, KOPRIVNICE, THE TRUCK HAS CROSS-COUNTRY CAPABILITY AND IS SUITABLE FOR MILITARY OPERATIONS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-31-A
 NOMEN: TRUCK, DUMP, 13-TON TATRA T 138 S3 M

CATALOG: TB-381-5-22
 (OLD 6-2320-4-31)
 COUNTRY: CZECHOSLOVAKIA
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1967-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 10,440
 -PAYLOAD OFF HWY ----- 6670 ?
 -PAYLOAD ON HWY ----- 13,000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 17,110 ?
 -GROSS ON HWY ----- 23,440
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 5000
 -LOADED REAR ON HWY -- 9220 (EA)
 PERSONNEL LOAD (NR) ----- 3 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7320
 WIDTH O/ALL ----- 2440
 HEIGHT O/ALL ----- 2650
 CARGO SPACE-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- 790
 TREAD, C TO C-
 -FRONT ----- 1890
 -REAR ----- 1675
 WHEELBASE ----- 4351
 GROUND CLEARANCE ----- 290
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 45%
 TURNING RADIUS (MM) ----- ?
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 38
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 390 ?
 -WATER ----- N/A
 MAX SPEED (KM/HK) LOADED -
 -ROAD ----- 71
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ----
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- T 928-12
 TYPE ----- V-8, 4-STROKE
 MAX HP AT RPM ----- 180 AT 2000
 MAX TORQUE (KGM) ----- 72 AT 1300
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 120
 STROKE (MM) ----- 130
 DISPLACEMENT (LITERS) 11.76

FOM NR ----- 2815-6-1-2

GENERAL DATA:

TIRES-
 -SIZE ----- 11.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 150
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- AIR
 -PARKING TYPE ----- MECHANICAL ?
 SUSPENSION SYSTEM-
 -FRONT ----- TORSION BARS
 -REAR ----- DOUBLE TORSION BARS
 TRANSMISSION-
 -TYPE ----- ELECTROPNEUMATIC
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 24V (2-12V BATT)
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

HOSES:

REMARKS:

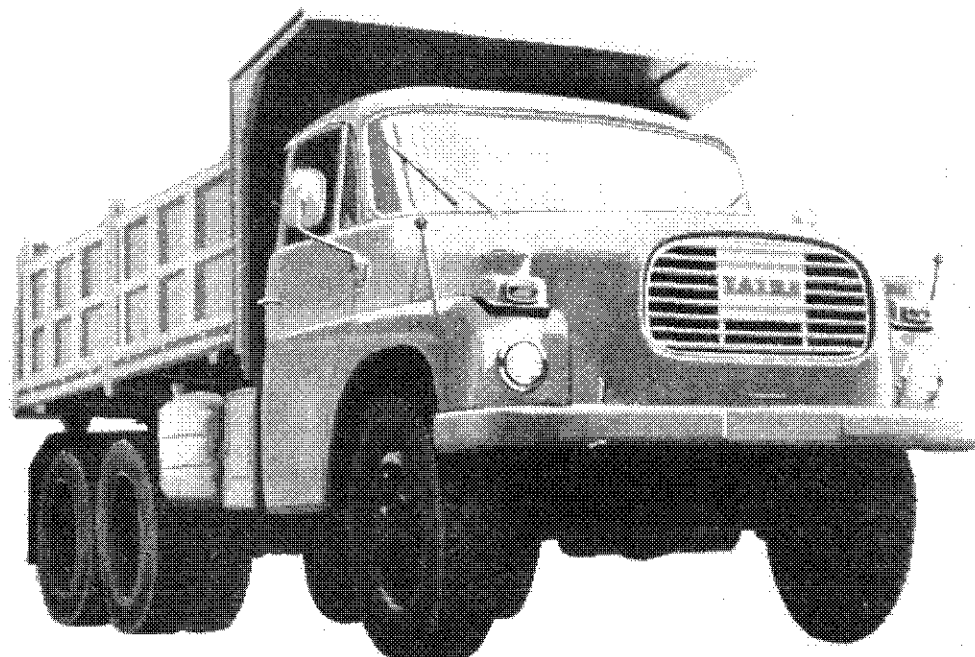
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-4-31-B
NOMEN: TRUCK, DUMP, 13-TON TATRA T 138 S3 M
PRODUCED/ADOPTED: 1967-DATE/

CATALOG: TB-381-5-22
(GLO 6-2320-4-31)
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-6-4-31-B

NOMEN: TRUCK, DUMP, 13-TON TATRA T 138 S3 M

PRODUCED/ADOPTED: 1967-DATE/

CATALOG: TB-381-5-22

(OLD 6-2320-4-31)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-5-2-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, PRIME MOVER, 6 TON, 6X6, TATRA 141

(OLD 6-2320-5-2)

NATIVE DES: TAZNYCH VOZOV TATRA 141
PRODUCED/ADOPTED: 1955 TO ??

COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 30AUG73

(U)THE TATRA 141 PRIME MOVER, PRODUCED BY THE TATRA MOTOR VEHICLE PLANT IN BANOVCE AND BEBRÁVOU, C.S.S.R., IS A MODIFICATION OF THE TATRA 111 R. DESIGNED FOR USE WITH HEAVY-DUTY LOWBED TRAILERS, IT CAN TOW LOADS HAVING A GROSS WEIGHT OF 100 METRIC TONS. IT IS IN GENERAL USE BY THE CZECHOSLOVAK ARMY.

(U)A TORQUE TUBE DRIVE CONNECTS FRONT AND REAR DIFFERENTIALS, WITH SWING HALF-AXLES POWERING ALL WHEELS. REAR AXLES ARE SPRUNG BY LONGITUDINAL, SWIVEL-MOUNTED LEAF SPRINGS. THE FRONT AXLE HAS DIAGONALLY MOUNTED LEAF SPRINGS.

(U)A CONNECTION FOR A TRAILER BRAKE SYSTEM IS LOCATED AT THE REAR OF THE VEHICLE.

(U)TRANSMISSION GEARS ARE CONSTANT MESH AND ARE NONSYNCHRONOUS. THE MANUALLY OPERATED TRANSFER CASE PROVIDES HIGH AND LOW RANGES AND ENGAGES AND DISENGAGES THE FRONTWHEEL DRIVE.

(U)BRACKETS ATTACHED TO THE TORQUE TUBE SUPPORT THE CARGO BODY.

(U)A TATRA 111 A5 AIR-COOLED V12 DIESEL ENGINE POWERS THIS PRIME MOVER.

(U)STANDARD EQUIPMENT INCLUDES AN ENGINE-DRIVEN WINCH, AS WELL AS NUMEROUS OTHER COUPLING CONNECTIONS ON THE FRONT AND REAR OF THE VEHICLE. THE EXTRA-LARGE CAB SEATS EIGHT.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-5-2-A

NOMEN: TRUCK, PRIME MOVER, 6 TON, 6X6, TATRA 141

CATALOG: TB-381-5-22

(OLD 6-2320-5-2)

COUNTRY: CZECHOSLVAKIA

DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1955 TO ??

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 12400
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 5840
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 18240
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 3710
 -LOADED REAR ON HWY --- 7265 (EA)
 PERSONNEL LOAD (NR) ----- 8 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 10,000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7450
 WIDTH O/ALL ----- 2580
 HEIGHT O/ALL ----- 2800
 CARGO SPACE-
 -LENGTH ----- 1890
 -WIDTH ----- 2350
 -HGT OF SIDES ----- 600
 TREAD, C TO C-
 -FRONT ----- 2080
 -REAR ----- 1800
 WHEELBASE ----- 4110
 GROUND CLEARANCE ----- 290
 PINTLE HEIGHT ----- 750
 HGT TO C OF 5TH MHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- *1
 TURNING RADIUS (MM) ----- 9250
 FORDING DEPTH (MM) ----- 800
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 75
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 660
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 38
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 30 DEG
 ANGLE OF DEPARTURE (DEG) ---- 30
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- TATRA 111 A5
 TYPE ----- V-12, 4 CYCLE, OHV
 MAX HP AT RPM ----- 185 AT 2000
 MAX TORQUE (KGM) ----- 75
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 110
 STROKE (MM) ----- 130
 DISPLACEMENT (LITERS) 14.825

FOM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 11.00 X 20
 -PLY ----- 14
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 510
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 420
 -AUX TANK ----- 80
 BRAKES-
 -PRIMARY TYPE ----- AIR
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- *2
 -REAR ----- *3
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- MECHANICAL
 -CAPACITY (KG) ----- 8000
 -CABLE LENGTH (MM) -- 100,000

REMARKS:

1/ CLIMBING ABILITY, FULL LOAD OF 100
 METRIC TONS TRAILER IS 9.24%
 2/ QUARTER SEMIELLIPTIC SPRINGS
 3/ SEMIELLIPTIC SPRINGS

OF THE 141, CAN PULL A 23 METRIC TON
 TRAILER (PLUS A 5 METRIC TON CARGO IN ITS OWN
 COMPARTMENT) UP A GRADIENT OF 20%

NOTE THE TATRA 141 B, A MODIFICATION

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-5-2-8

NOMEN: TRUCK, PRIME MOVER, 6 TON, 6X6, TATRA 141

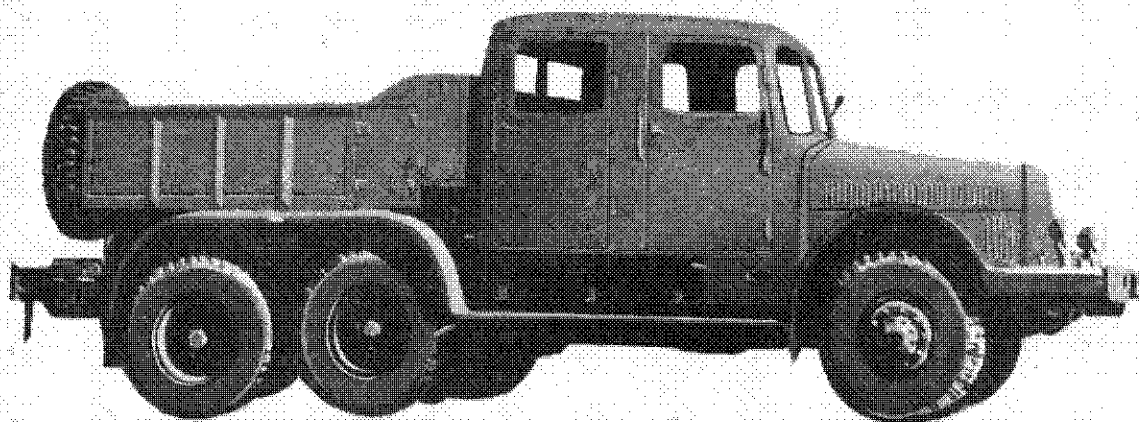
PRODUCED/ADOPTED: 1955 TO 77

CATALOG: TB-381-5-22

(OLD 6-2320-5-21)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

CATALOG: TB-381-5-22

(OLD 6-2320-5-2)

COUNTRY: CZECHOSLVAKIA

DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1955 TO ??

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-5-3-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, BALLAST, 6 X 6, TATRA 813 T-3

(OLD 6-2320-5-3)

NATIVE DES: TATRA 813 T-3 6 X 6 VONTATO
PRODUCED/ADOPTED: 1970-DATE/

COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 07AUG73

(U)A NEW SERIES OF TATRA 813 HEAVY TRUCKS HAS BEEN DEVELOPED BY THE TATRA KOPRIVNICE NATIONAL ENTERPRISE. EMPLOYED IN THESE VEHICLES ARE ADVANCED DESIGN ELEMENTS, SUCH AS CAB-OVER-ENGINE, INTERAXLE DIFFERENTIALS, AND SIMPLE MOUNTING OF WIDE-PROFILE TIRES. FIRST OF THIS NEW SERIES WAS THE TRUCK, CARGO, 14-TON, 8 X 8, TATRA 813 S-1 (FOM-2320-6-4-27).

(U)THE TATRA 813 T-3 IS USED TO TOW HEAVY LOADS UP TO 100 TONS, PRIMARILY OVER LONG DISTANCES. IT IS POWERED BY A 12-CYLINDER AIR-COOLED DIESEL ENGINE. THE ARTICULATED 3-AXLE CHASSIS WITH CONSTANT DRIVE FOR ALL WHEELS REMAIN A TRUE TATRA CONCEPT. THE AXLES ARE PROVIDED WITH REDUCTION GEARS IN THE WHEELS. FOREMOST AMONG THE SPECIAL FEATURES OF THIS VEHICLE IS THE STEERING: THE WHEELS OF THE FRONT AND REAR FRONT AXLES ARE STEERABLE. TWO-THIRDS OF THE WEIGHT OF THE TRACTOR IS SUPPORTED BY THE STEERING AXLES. THIS IS A CONSIDERABLE ADVANTAGE OVER OTHER 3-AXLE TRACTORS. THE FRONT AND REAR FRONT AXLES ARE PROVIDED WITH LEAF SPRINGS. THE REAR AXLE IS PROVIDED WITH TORSION BARS AND HYDRAULIC SHOCK ABSORBERS. THE 4-DOOR CAB IS EQUIPPED WITH TWO BERTHS, AN EATING TABLE, ORTHOPEDICALLY DESIGNED SEATS, AND INDEPENDENT HEATING FOR CLIMATIZATION. THE CARGO PLATFORM IS EQUIPPED WITH A BALLAST LOAD OF 8750 KILOGRAMS, AUXILIARY SPARE WHEEL HANDLING EQUIPMENT, AND A SPARE WHEEL.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-5-3-A
NOMEN: TRUCK, BALLAST, 6 X 6, TATRA 813 T-3

CATALOG: TB-381-5-22
(OLD 6-2320-5-3)
COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1970-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 21050
-PAYLOAD OFF HWY ----- 950
-PAYLOAD ON HWY ----- 950
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- 22000
-GROSS ON HWY ----- 22000
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- ?
-EMPTY REAR ----- ?
-LOADED FRONT OFF HWY - 7350 (EA)
-LOADED REAR OFF HWY -- 7300
-LOADED FRONT ON HWY -- 7350 (EA)
-LOADED REAR ON HWY --- 7300
PERSONNEL LOAD (NR) ----- 5 IN CAB
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- 100000
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7774
WIDTH O/ALL ----- 2500
HEIGHT O/ALL ----- 2622
CARGO SPACE-
-LENGTH ----- 2470
-WIDTH ----- 2439
-HGT OF SIDES ----- 488
TREAD, C TO C-
-FRONT ----- 2050
-REAR ----- 2000
WHEELBASE ----- 3526
GROUND CLEARANCE ----- 380
PINTLE HEIGHT ----- 820
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 15%
TURNING RADIUS (MM) ----- 19512
FORDING DEPTH (MM) ----- 1494
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 41 SOLO
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 927
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- *1
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- ?
ANGLE OF DEPARTURE (DEG) --- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- TATRA 930-31
TYPE ----- V-12, 4 STROKE, OHV
MAX HP AT RPM ----- 250 @ 2000
MAX TORQUE (KGM) ----- 98 AT 1200
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - AIR
BORE (MM) ----- 120
STROKE (MM) ----- 130
DISPLACEMENT (LITERS) 17.640

FOM NR ----- N/A

GENERAL DATA:

TIRES-
-SIZE ----- 18.00 X 22.5
-PLY ----- ?
-TYPE ----- ?
-LOADED RADIUS (MM) - ?
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 380
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- 3 CIRCUIT AIR
-PARKING TYPE ----- AIR
SUSPENSION SYSTEM-
-FRONT ----- INDEP. LEAF SPRINGS
-REAR ----- INDEP. TORSION BARS
TRANSMISSION-
-TYPE ----- MANUAL, POWER ASSIST
-NR SPEEDS FWD/RVSE - 5/1
TRANSFER, NR SPEEDS --- 2 (NORMAL AND REDUCTION)
LOCKING DIFFERENTIAL-
-MANUAL ----- YES
-AUTOMATIC ----- N/A
ELEC SYSTEM (VOLTS) --- 24 (TWO 12 VOLT BAT)
WINCH-TYPE ----- MECHANICAL
-CAPACITY (KG) ----- 21,000
-CABLE LENGTH (MM) -- ?

REMARKS:

1/ 70 MPH SOLO; 43 MPH TRAIN

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-6-5-3-B

NOMEN: TRUCK, BALLAST, 6 X 6, TATRA 813 T-3

PRODUCED/ADOPTED: 1970-DATE/

CATALOG: TB-301-5-22

(OLD 6-2320-5-3)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOH-2320-6-5-3-B

NOMEN: TRUCK, BALLAST, 6 X 6, TATRA 813 T-3

PRODUCED/ADOPTED: 1970-DATE/

CATALOG: Y8-381-5-22

(OLD 6-2320-5-3)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

FOM-2320-7-1-2-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK, AMBULANCE, 4X4, LO 1800A

(OLO 7-2320-1-2)

NATIVE DES: FELOLAZARETT, 4X4 LO 1800A
PRODUCED/ADOPTED: 1963 TO DATE.

COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73

(U)THE ROBUR, 4 X 4, LO 1800 A AMBULANCE HAS BEEN PRODUCED BY VEB ROBERWERK, ZITTAU, EAST GERMANY, SINCE 1963. MOUNTED ON A STANDARD MILITARY-TYPE LO 1800 A CHASSIS (FOM-2320-7-4-11), ITS LIGHT, METAL, FULLY ENCLOSED VAN BODY HAS TWO HINGED REAR DOORS AND ONE LARGE HINGED DOOR ON THE RIGHT FRONT SIDE, PROVIDING EASY ACCESS TO THE PATIENTS' COMPARTMENT. A WINDOW ON EACH SIDE OF THE VAN CAN BE BLACKED OUT BY SLIDING METAL COVERS.

(U)A REMOVABLE LITTER ASSEMBLY SECURED TO THE FLOOR AND CEILING CAN CARRY SIX LITTER PATIENTS. AN ADDITIONAL FOUR TO SIX AMBULATORY PATIENTS (FOUR IN THE VAN; TWO IN THE CAB) CAN ALSO BE ACCOMMODATED.

(U)THE AMBULANCE IS POWERED BY A 4-CYLINDER, IN-LINE, 70-HORSEPOWER, AIR-COOLED GASOLINE ENGINE. A HIGH- AND LOW-RANGE TRANSFER CASE WITH NEUTRAL POSITION AND A FRONT-WHEEL-DRIVE ENGAGING AND DIS-ENGAGING UNIT PROVIDES SELECTIVE CONTROL. THE ELECTRICAL SYSTEM IN THE VAN BODY IS DESIGNATED SO THAT THREE VOLTAGES (12-, 220-, AND 138-VOLT CURRENT) MAY BE USED, AS AVAILABLE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-1-2-A
 NOMEN: TRUCK, AMBULANCE, 4X4, LD 1800A

CATALOG: TR-381-5-22
 (OLD 7-2320-1-2)
 COUNTRY: EAST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1963 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 3200
 -PAYLOAD OFF HWY ----- 1800
 -PAYLOAD ON HWY ----- 2500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 5000
 -GROSS ON HWY ----- 5700
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1730
 -EMPTY REAR ----- 1470
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 2380
 -LOADED REAR ON HWY - 3320

PERSONNEL LOAD (NR) ----- *1

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 2100
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5350
 WIDTH O/ALL ----- 2365
 HEIGHT O/ALL ----- 2730
 CARGO SPACE-
 -LENGTH ----- 3200
 -WIDTH ----- 2100
 -HGT OF SIDES ----- 1570
 TREAD, C TO C-
 -FRONT ----- 1636
 -REAR ----- 1664
 WHEELBASE ----- 2810
 GROUND CLEARANCE ----- 265
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 37%
 TURNING RADIUS (MM) ----- 13,900
 FORDING DEPTH (MM) ----- 945
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 30
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 416
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 80
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- 42
 ANGLE OF DEPARTURE (DEG) --- 38
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- LO-4
 TYPE ----- IN-LINE 4 CYLINDER
 MAX HP AT RPM ----- 70 AT 2800
 MAX TORQUE (KGM) ---- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 6.50 X 20
 -PLY ----- 5
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 460
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 90
 -AUX TANK ----- 35

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC, 4-WHEEL
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- #2

TRANSMISSION-

-TYPE ----- #3
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

1/ 2 IN CAB; 10 IN COMPARTMENT
 2/ SEMIELLIPTIC SPRINGS W/OVERLOAD SPRINGS
 3/ MANUAL (2G TO 5TH SPEEDS ARE
 SYNCHROMESH)

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOH-2320-7-1-2-B

NOMEN: TRUCK, AMBULANCE, 4X4, LO 1800A

PRODUCED/ADOPTED: 1963 TO DATE

CATALOG: TB-381-5-22

(OLD 7-2320-1-2)

COUNTRY: EAST GERMANY

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-1-2-8
NOMEN: TRUCK, AMBULANCE, 4X4, LO 1800A
PRODUCED/ADOPTED: 1963 TO DATE

CATALOG: T8-381-9-22
(OLD 7-2320-1-2)
COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-1-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 3 1/2-TON, 6X6, G-5

(OLD 7-2320-4-1)

NATIVE DES: LASTKRAFTWAGEN, PRIITSCHE, 3.5-TONNEN, 6X6, G-5
PRODUCED/ADOPTED: 1952 TO 1963COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73

(U)THE G-5, AN ALL-WHEEL-DRIVE CARGO TRUCK KNOWN AS THE WORKHORSE OF THE EAST GERMAN ARMY, WAS PRODUCED SERIALY BY THE VEB MOTOR VEHICLE PLANT "ERNST GROBE," WERDAU, EAST GERMANY, FROM 1952 UNTIL 1963. SINCE 1963, IT HAS PROBABLY BEEN IN LIMITED PRODUCTION. THE TRUCK APPEARED IN TWO VERSIONS, THE EARLIER MODEL (SHOWN ABOVE) HAVING AN OPEN CAB AND FOLDDOWN WINDSHIELD, AND THE LATER MODEL HAVING A CLOSED METAL CAB AND A COMMANDER'S CUPOLA IN THE ROOF.

(U)TANK TRUCKS, SHOP-VAN TRUCKS, AND TWO DUMP TRUCK MODELS WERE INCLUDED IN THE G-5 FAMILY, AND THE SK-2 WATER CANNON WAS BUILT ON THE G-5 TRUCK CHASSIS. THE CARGO TRUCK WAS USED EXTENSIVELY TO HAUL ARTILLERY PIECES.

(U)THE G-5 TRUCKS BUILT IN 1963, THE LAST YEAR OF SERIAL PRODUCTION, AND THE LIMITED NUMBER PRODUCED THEREAFTER ON SPECIAL ORDER, HAVE BEEN ERRONEOUSLY REFERRED TO AS G-5/2 MODELS. THEY WERE EQUIPPED WITH AN IMPROVED, 150-HORSEPOWER, AIR-COOLED DIESEL ENGINE. THE EARLIER UNITS WERE PROVIDED WITH A LIQUID-COOLED DIESEL ENGINE. ALL COMPONENTS OF THE 120-HORSEPOWER DIESEL ENGINE AND THE 150-HORSEPOWER DIESEL ENGINE ARE INTERCHANGEABLE WITH THOSE OF THE H-6 TRUCK, WHICH USES BOTH ENGINES. A REPLACEMENT FOR THE G-5 TRUCK, THE G-5/3, WAS UNDER TEST FROM 1961 TO 1963. ALTHOUGH FOUR PROTOTYPES OF THE G-5/3 WERE MADE, IT WAS NEVER PRODUCED BECAUSE OF DIFFICULTIES ENCOUNTERED IN PRODUCING THE ENGINE, ITS HIGH COST, AND THE INADEQUACY OF MANUFACTURING FACILITIES.

(U)ALTHOUGH BECOMING OBSOLESCEENT, THE G-5 REMAINS ORGANIC TO THE EAST GERMAN ARMY.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-1-A

NOMEN: TRUCK, CARGO, 3 1/2-TON, 6X6, G-5

PRODUCED/ADOPTED: 1952 TO 1963

CATALOG: T8-381-5-22
 (OLD 7-2320-4-11)
 COUNTRY: EAST GERMANY
 DATE UPDATED: 30AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 8000
 -PAYLOAD OFF HWY ----- 3500
 -PAYLOAD ON HWY ----- 4540
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 11,500
 -GROSS ON HWY ----- 12540
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 4320
 -EMPTY REAR ----- 3680
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 4390
 -LOADED REAR ON HWY - 8150

PERSONNEL LOAD (NR) ----- 3 IN CAB, 14 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 4540

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7300
 WIDTH O/ALL ----- 2500
 HEIGHT O/ALL ----- 2590
 CARGO SPACE-
 -LENGTH ----- 3990
 -WIDTH ----- 1740
 -HGT OF SIDES ----- 640

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 5550

GROUND CLEARANCE ----- 290

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60%
 TURNING RADIUS (MM) ----- 14,000
 FORDING DEPTH (MM) ----- 1310
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 32
 -WATER (L/HRI) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 434
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 64
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) ---- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- *1
 TYPE ----- ?
 MAX HP AT RPM ----- 120 AT 2000
 MAX TORQUE (KGM) ---- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - ?
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 8.25 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 102
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC, AIR ASSISTED
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- *2

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- ?

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ ITEM 2A: PRIOR TO 1963, THE 6 KVD 14.5 SRW
 ENGINE WAS USED. TRUCKS PRODUCED IN 1963 & AFTER
 HAVE THE GO-8 AIR COOLED ENGINE WHICH DEVELOPS
 150 HP AT 2000 RPM.
 2/ SEMIELLIPTIC SPRINGS W/OVERLOAD
 SPRINGS

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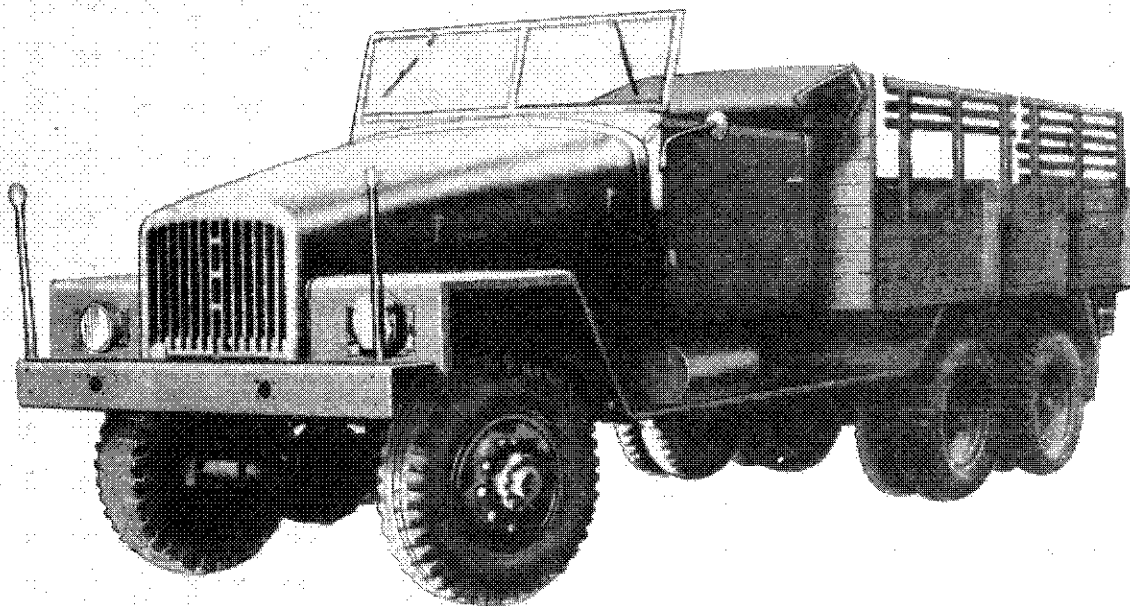
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-1-B
NOMEN: TRUCK, CARGO, 3 1/2-TON, 6X6, G-5
PRODUCED/ADOPTED: 1952 TO 1963

CATALOG: TB-381-5-22
(OLD 7-2320-4-1)
COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-1-B

NOMEN: TRUCK, CARGO, 3 1/2-TON, 6X6, G-5

PRODUCED/ADOPTED: 1952 TO 1963

CATALOG: TB-381-5-22

(OLD 7-2320-4-1)

COUNTRY: EAST GERMANY

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-3-A

CATALOG: T8-381-9-22

NOMEN: TRUCK, CARGO, 6-1/2-TON, 4X2, H-6

(OLD 7-2320-4-3)

NATIVE DES: LASTKRAFTWAGEN, PRITSCHÉ, H-6
PRODUCED/ADOPTED: 1954 TO 1961

COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73

(U)THE H-6 CARGO TRUCK, PRODUCED BY THE VEB MOTOR VEHICLE PLANT "ERNST GRUBE," IN WERDAU, EAST GERMANY, FROM 1954 TO 1961, IS AN IMPROVED VERSION (IN TERMS OF HORSEPOWER AND CARGO CAPACITY) OF THE H3A (FOM-2320-7-4-5). IT CAN BE DISTINGUISHED FROM THE H3A BY ITS LONGER CARGO BODY.

(U)THE HINGED SIDEBARDS AND TAILGATE MAY BE DROPPED FOR EASIER LOADING. THE BODY IS EQUIPPED WITH REMOVABLE BOWS AND CANVAS COVER. MOTIVE POWER IS SUPPLIED BY A 6-CYLINDER, 4-CYCLE, IN-LINE, DIESEL ENGINE.

(U)THE H-6 IS EQUIPPED WITH COMPRESSED-AIR SERVICE BRAKES ON ALL WHEELS AND MECHANICAL-LINKAGE PARKING BRAKES ON THE REAR WHEELS. ALL SHOCK ABSORBERS ARE HYDRAULIC AND TELESCOPIC.

(U)VISIBILITY IS REPORTEDLY EXTREMELY POOR, DUE TO THE LARGE STEERING WHEEL WHICH IS REQUIRED TO OFFSET THE HIGH RESISTANCE OF THE STEERING SYSTEM.

(U)ALTHOUGH NO LONGER IN PRODUCTION, THE TRUCK IS STILL WIDELY USED BY EAST GERMAN MILITARY FORCES AS A SUPPLY VEHICLE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-3-A
NOMEN: TRUCK, CARGO, 6-1/2-TON, 4X2, H-6

CATALOG: TB-381-5-22
(OLD 7-2320-4-3)
COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1954 TO 1961

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 6650
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 6500
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 13150
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 3560
-EMPTY REAR ----- 3090
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY - 4550
-LOADED REAR ON HWY - 9000
PERSONNEL LOAD (NR) - 3 IN CAB
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- 5000
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 8000
WIDTH O/ALL ----- 2500
HEIGHT O/ALL ----- 3000
CARGO SPACE-
-LENGTH ----- 5012
-WIDTH ----- 2354
-HGT OF SIDES ----- 600
TREAD, C TO C-
-FRONT ----- ?
-REAR ----- ?
WHEELBASE ----- 4500
GROUND CLEARANCE ----- 300
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL - N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 70%
TURNING RADIUS (MM) ----- 22,000
FORDING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 28
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 535
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 55
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- ?
ANGLE OF DEPARTURE (DEG) --- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ SEMIELLEPTIC SPRINGS, W/OVERLOAD SPRINGS

ENGINE:

MODEL ----- ? EMBW 6-20
TYPE ----- 6 CYL, IN-LINE, 4 CYCLE
MAX HP AT RPM ----- 120 AT 2000
MAX TORQUE (KGM) ----- ?
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 112
STROKE (MM) ----- 142
DISPLACEMENT (LITERS) 9.840
FOM NR ----- N/A

GENERAL DATA:

TIRES-
-SIZE ----- 12.00 X 20
-PLY ----- 16
-TYPE ----- ?
-LOADED RADIUS (MM) - 542
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 150
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- AIR, ALL WHEELS
-PARKING TYPE ----- MECHANICAL
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLEPTIC SPRINGS
-REAR ----- *1
TRANSMISSION-
-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 5/1
TRANSFER, NR SPEEDS --- N/A
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 24V (2X 12V BATT)
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-3-B

NOMEN: TRUCK, CARGO, 6-1/2-TON, 4X2, H-6

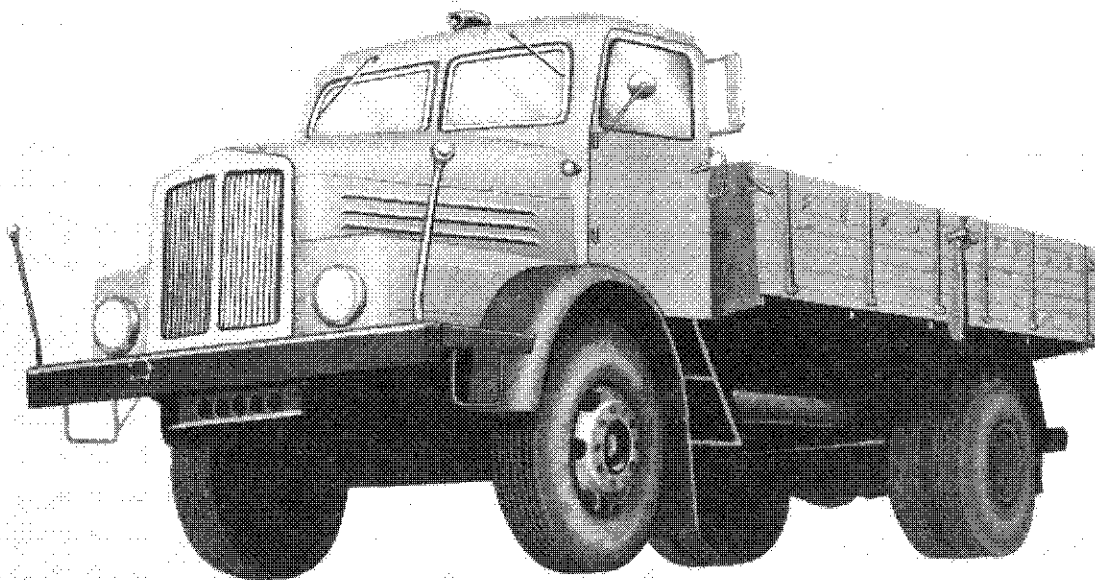
PRODUCED/ADOPTED: 1954 TO 1961

CATALOG: TB-381-5-22

(OLD 7-2320-4-3)

COUNTRY: EAST GERMANY

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-3-B

NOMEN: TRUCK, CARGO, 6-1/2-TON, 4x2, H-6

PRODUCED/ADOPTED: 1954 TO 1961

CATALOG: T8-3B1-5-22

ICLD: 7-2320-4-3)

COUNTRY: EAST GERMANY

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-4-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, CARGO, 2-TON, 4X2 AND 4X4, ROBUR GARANT 30K

(OLD 7-2320-4-4)

NATIVE DES: ZWEI-TONNEN PRITSCHENWAGEN
PRODUCED/ADAPTED: 1954 TO 1961COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73

(U)PRODUCED IN 1954 BY THE VEB ROBUR-WERKE IN ZITTAU, EAST GERMANY, THE ROBUR GARANT 30K CARGO TRUCK REPLACED THE OBSOLESCENT ROBUR GRANIT 27 (FOM-2320-7-4-6). DURING THE SEVEN YEARS THAT IT WAS IN PRODUCTION, IT WAS EXTENSIVELY USED IN THE CIVILIAN ECONOMY AND BY THE ARMED FORCES, AND IS STILL SEEN FREQUENTLY. THE 4 X 4 VERSION WAS USED BY THE EAST GERMAN ARMY AS A CARRIER FOR PERSONNEL OR CARGO, OR AS A PRIME MOVER FOR SUCH WEAPONS AS THE 120-MM MORTAR. EASILY RECOGNIZED BY ITS UNIQUE SLOPING FRONT-END DESIGN AND DEEP-SET GRILLE WITH FIVE HORIZONTAL BARS, THE 4 X 2 VERSION OF THE 30K TRUCK CAN BE FURTHER IDENTIFIED BY ITS DUAL REAR TIRES, WHEREAS THE 4 X 4 VERSION USES SINGLE TIRES ON THE REAR.

(U)THIS VEHICLE IS POWERED BY A 4-CYLINDER, AIR-COOLED GASOLINE ENGINE DEVELOPING 60 HORSEPOWER; WHEN EQUIPPED WITH A 52-HORSEPOWER, AIR-COOLED DIESEL ENGINE, IT BECOMES THE ROBUR GARANT 32. AS WITH ALL ROBUR GARANT TRUCKS, DETAILS OF STYLING VARY IN DIFFERENT PRODUCTION RUNS OF THE 30K AND THE 32.

(U)THE ROBUR GARANT 30K WAS REPLACED IN 1961 BY THE ROBUR GARANT LO 1800 A, 2 1/2-TON, 4 X 4, CROSS-COUNTRY TRUCK (FOM-2320-7-4-11) AND BY THE ROBUR GARANT LO 2500, 2 1/2-TON, 4 X 2 CARGO TRUCK (FOM-2320-7-4-12).

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-7-4-4-A
 NOMEN: TRUCK, CARGO, 2-TON, 4X2 AND 4X4, ROBUR GARANT 30K

CATALOG: TB-381-5-22
 (OLD: T-2320-4-4)
 COUNTRY: EAST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1954 TO 1961

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 2090
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 2000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 4090
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1130
 -EMPTY REAR ----- 960
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 1145
 -LOADED REAR ON HWY - 2945

PERSONNEL LOAD (NR) ----- 3 IN CAB; 12 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 2230

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6000
 WIDTH O'ALL ----- 1990
 HEIGHT O'ALL ----- 2150

CARGO SPACE-

-LENGTH ----- 3250
 -WIDTH ----- 1850
 -HGT OF SIDES ----- 280

TREAD, C TO C-

-FRONT ----- 1500
 -REAR ----- 1450

WHEELBASE ----- 3770

GROUND CLEARANCE ----- 230

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?

TURNING RADIUS (MM) ----- 7010

FORDING DEPTH (MM) ----- 820

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 16
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 500
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 88
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- 48 DEG

ANGLE OF DEPARTURE (DEG) ----- 40

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- ?
 TYPE ----- 4 CYL, 4 CYCLE
 MAX HP AT RPM ----- 60 AT 2800
 MAX TORQUE (KGM) ----- 18.5 AT 1600
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 90
 STROKE (MM) ----- 118
 DISPLACEMENT (LITERS) 3.0

FDM NR ----- 7

GENERAL DATA:

TIRES-

-SIZE ----- 6.50 X 20
 -PLY ----- 8
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 405
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 72
 -AUX TANK ----- 8

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- #1

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?

-AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

1/ SEMIELLIPTIC SPRINGS w/OVERLOAD SPRINGS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-4-B

NOMEN: TRUCK, CARGO, 2-TON, 4X2 AND 4X4, ROBUR GARANT 30K

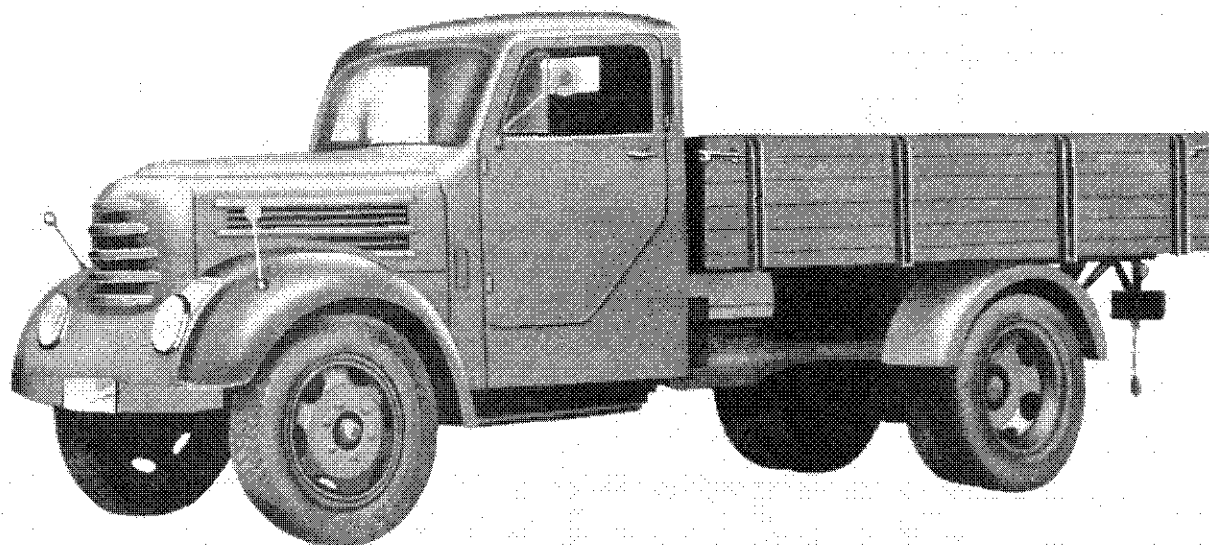
PRODUCED/ADOPTED: 1954 TO 1961

CATALOG: TB-381-5-22

(OLD 7-2320-4-4)

COUNTRY: EAST GERMANY

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDN-2320-7-4-4-8
NOMEN: TRUCK, CARGO, 2-TON, 4X2 AND 4X4, ROBUR GARANT 30K

PRODUCED/ADOPTED: 1954 TO 1961

CATALOG: TB-381-5-22
(OLD T-2320-4-4)
COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FOM-2320-7-4-5-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 4-TON 4X2, H3A

(OLD 7-2320-4-5)

NATIVE DES: LASTKRAFTWAGEN, PRITSCH
PRODUCED/ADOPTED: 1953-1959/COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73

(U)THE H3A CARGO TRUCK, MANUFACTURED BY THE VEB SACHSENRING KRAFTFAHRZEUG MOTORENWERK, ZWICKAU/ SACHSEN, EAST GERMANY, WAS FIRST INTRODUCED IN 1953, WHEN IT WAS CALLED THE MORCH H3A. THE TRUCK WAS USED WIDELY THROUGHOUT THE EAST GERMAN ARMY, WHERE IT IS STILL IN LIMITED USE, AS WELL AS IN THE CIVILIAN ECONOMY. WHILE THE BASIC CARGO TRUCK WAS USED TO CARRY CARGO AND PERSONNEL, IT WAS ALSO PRODUCED AS A DUMP TRUCK, TRACTOR TRUCK, COMMUNICATIONS AND SHOP VAN, AND FUEL TANKER.

(U)A 4-CYLINDER, IN-LINE, DIESEL ENGINE IS USED WITH A CONSTANT-MESH TRANSMISSION. SUSPENSION IS PROVIDED BY SEMIELLIPTIC, LAMINATED, LEAF SPRINGS AND DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS, WITH OVERLOAD SPRINGS IN THE REAR. THE H3A IS SIMILAR IN DESIGN TO THE H-6 (FOM-2320-7-4-3), BUT CAN BE DISTINGUISHED FROM IT BY ITS SMALLER CARGO BODY.

(U)THE H3A WAS REPLACED IN 1959 BY THE SACHSENRINGS 4000-1 (FOM-2320-7-4-10), A TRUCK OF MORE MODERN DESIGN.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-5-A
 NOMEN: TRUCK, CARGO, 4-TON 4X2, H3A

CATALOG: TB-381-5-22
 (OLD 7-2320-4-5)
 COUNTRY: EAST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1953-1959/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 3500
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 3450
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 6950
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1890
 -EMPTY REAR ----- 1610
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY -- 2430
 -LOADED REAR ON HWY -- 4520

PERSONNEL LOAD (NR) ----- 3 IN CAB, 14 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 3450
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6190
 WIDTH O/ALL ----- 2380
 HEIGHT O/ALL ----- 2530
 CARGO SPACE-
 -LENGTH ----- 3600
 -WIDTH ----- 2010
 -HGT OF SIDES ----- 490

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 3250

GROUND CLEARANCE ----- 234

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 28%
 TURNING RADIUS (MM) ----- 7900
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 18
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 402
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 68
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- EM-4
 TYPE ----- 4 CYL, 4 CYCLE
 MAX HP AT RPM ----- 80 AT 2000
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 8.25 X 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 460
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 100
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC, ALL WHEELS
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- #1

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?

-AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24V (2, 12-V BATT)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

1/ SEMIELLIPTIC SPRINGS W/
 OVERLOAD SPRINGS

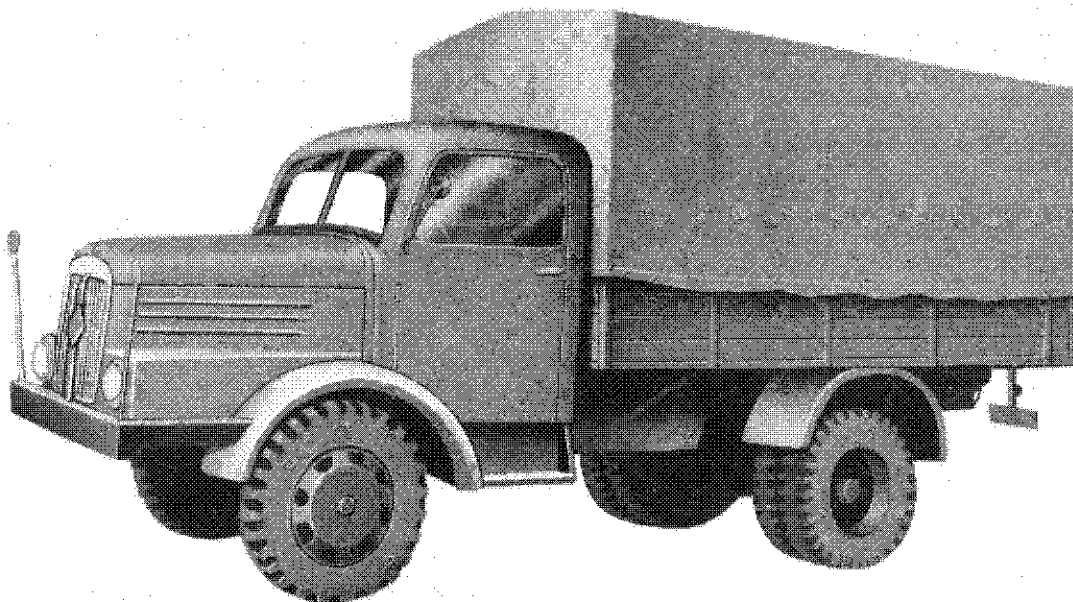
DATE CATALOGED: 01DEC66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-5-8
NOMEN: TRUCK, CARGO, 4-TON 4X2, H3A
PRODUCED/ADOPTED: 1953-1959/

CATALOG: TB-381-5-22
(OLD 7-2320-4-5)
COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-7-4-5-B
NOMEN: TRUCK, CARGO, 4-TON, 4X2, H3A
PRODUCED/ADPTED: 1953-1959/

CATALOG: TB-381-5-22
TOLD 7-2320-4-51
COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01DEC66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-9-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, UTILITY 1/2 TON, 4X4, P2M

(OLD 7-2320-4-9)

NATIVE DES: KUBELWAGEN

COUNTRY: EAST GERMANY

PRODUCED/ADOPTED: 1955-1962/

DATE UPDATED: 30AUG73

(U)THE P2M WAS DEVELOPED BY THE VEB KRAFTFAHRZEUG ENTWICKLUNGSWERK, HOHENSTEIN-ERNSTTHAL, EAST GERMANY, TO MEET THE REQUIREMENTS OF THE EAST GERMAN ARMY FOR A LIGHTWEIGHT, CROSS-COUNTRY, UTILITY VEHICLE. IT IS ESSENTIALLY A JEEP-TYPE, MULTIPURPOSE CARRIER.

(U)THE P2M HAS A FOLDDOWN WINDSHIELD AND A REMOVABLE CANVAS TOP WITH DETACHABLE SIDE WINDOWS.

(U)POWERED BY A 6-CYLINDER, 4-CYCLE, OHV GASOLINE ENGINE, THE VEHICLE CAN ATTAIN A MAXIMUM SPEED OF 95 KILOMETERS PER HOUR. THE VEHICLE IS EQUIPPED WITH 4-WHEEL-DRIVE AND A TRANSFER CASE WHICH PROVIDES HIGH AND LOW RANGES AND WHICH PERMITS THE ENGAGING AND DISENGAGING OF THE FRONT-WHEEL DRIVE. THE WHEELS ARE INDIVIDUALLY SUSPENDED.

(U)SEVERAL DESIGN DEFICIENCIES OF THE P2M COULD NOT BE OVERCOME: THE BALL SUSPENSION FROM THE CONTROL ARM TO THE STEERING KNUCKLE WAS SUBJECT TO FAILURE; THE LACK OF ADEQUATE LUBRICATION IN THE PINION-GEAR BEARING CAUSED HEATING AND JAMMING; THE FRAME FREQUENTLY CRACKED; AND THE BODY ALSO CRACKED EASILY DUE TO THE USE OF POOR QUALITY SHEET STEEL UNSUITABLE FOR SHAPING.

(U)THE P2M IS NO LONGER IN PRODUCTION, HAVING BEEN REPLACED IN 1962 BY THE P-3 UTILITY TRUCK (FOM-2320-7-4-13). THE P2M WAS ALSO PRODUCED IN AN AMPHIBIOUS VERSION KNOWN AS THE P25.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-9-A
 NOMEN: TRUCK, UTILITY 1/2 TON, 4X4, P2M

CATALOG: Y8-391-5-22
 (OLD 7-2320-4-9)
 COUNTRY: EAST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1955-1962/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 1770
 -PAYLOAD OFF HWY ----- 410
 -PAYLOAD ON HWY ----- 410
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 2180
 -GROSS ON HWY ----- 2180
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 956
 -EMPTY REAR ----- 814
 -LOADED FRONT OFF HWY - 981
 -LOADED REAR OFF HWY - 1199
 -LOADED FRONT ON HWY - 872
 -LOADED REAR ON HWY - 1308
 PERSONNEL LOAD (NR) ----- 5
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 720
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 3755
 WIDTH O/ALL ----- 1685
 HEIGHT O/ALL ----- 1835
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 2285
 GROUND CLEARANCE ----- 3000
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60%
 TURNING RADIUS (MM) ----- 10800
 FORDING DEPTH (MM) ----- 510
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 22
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 450
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 95
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- 300
 TRENCH CROSSING ABILITY(MM) 360

ENGINE:

MODEL ----- 7
 TYPE ----- 6 CYL, 4 CYCLE, OHV
 MAX HP AT RPM ----- 65 AT 3500
 MAX TORQUE (KG/M) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 78
 STROKE (MM) ----- 84
 DISPLACEMENT (LITERS) 2.4
 FOM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 6.50 X 16
 -PLY ----- 6
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 362
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 100
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC, ALL WHEELS
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- ?
 -REAR ----- ?
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-10-A

CATALOG: TR-381-5-22

NOMEN: TRUCK, CARGO, 4-TON, 4X2, SACHSENRING S 4000-1

(OLD 7-2320-4-10)

NATIVE DES: LASTKRAFTWAGEN, PRITSCH
PRODUCED/ADOPTED: 1959-DATE?/COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73

(U)THE SACHSENRING S 4000-1 CARGO TRUCK, MANUFACTURED BY VEB SACHSENRING KRAFTFAHRZEUG UND MOTORENWERKE, WENT INTO PRODUCTION IN THE ZITTAU PLANT IN EAST GERMANY IN 1959 AS A REPLACEMENT FOR THE H3A CARGO TRUCK (FOM-2320-7-4-5). PRODUCTION WAS SHIFTED TO THE WERDAU PLANT IN JULY 1960. PRINCIPAL IMPROVEMENTS OVER THE H3A ARE INCREASED PAYLOAD CAPACITY AND GREATER HORSEPOWER.

(U)A 4-CYLINDER, 4-CYCLE, WATER-COOLED, DIESEL ENGINE PROPELS THIS TRUCK. SUSPENSION IS PROVIDED BY SEMIELLIPITIC, LAMINATED LEAF SPRINGS WITH OVERLOAD SPRINGS IN THE REAR AND DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS IN FRONT. THE SERVICE BRAKES ARE HYDRAULIC AND AIR-ASSISTED.

(U)THE S 4000-1 IS ALSO PRODUCED AS A DUMP TRUCK, AS A TRACTOR TRUCK, AS A FUEL TANKER, AND WITH SEVERAL OTHER SPECIALIZED BODIES. IT WAS SCHEDULED FOR REPLACEMENT IN 1963 BY THE W 45 LAF, 4 X 4, 4 1/2-TON, CROSS-COUNTRY TRUCK, BUT THIS VEHICLE WAS NOT PRODUCED. INSTEAD, THE S-4000-1 WILL PROBABLY BE PHASED OUT IN FAVOR OF THE NEW W 50 L NOW BEING PRODUCED AT A NEW PLANT IN LUDWIGSFELDE.

DATE CATALOGED: 01DEC66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-7-4-10-A
 NOMEN: TRUCK, CARGO, 4-TON, 4X2, SACHSEN RING S 4000-1

CATALOG: TB-381-5-22
 (OLD T-2320-4-10)
 COUNTRY: EAST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1959-DATE??

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 5350
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 4000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 9350
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2890
 -EMPTY REAR ----- 2460
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 3270
 -LOADED REAR ON HWY -- 6080

PERSONNEL LOAD (NR) ----- 3 IN CAB, 14 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 4540

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6491
 WIDTH O'ALL ----- 2370
 HEIGHT O'ALL ----- 2595
 CARGO SPACE-

-LENGTH ----- 3910
 -WIDTH ----- 2200
 -HGT OF SIDES ----- 500

TREAD, C TO C-

-FRONT ----- 1652
 -REAR ----- 1663

WHEELBASE ----- 3550

GROUND CLEARANCE ----- 240

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 32%

TURNING RADIUS (MM) ----- 8000

FORGING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 15.9
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 75
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- EM4-22/90
 TYPE ----- 4 CYLINDER, OHV
 MAX HP AT RPM ----- 90 AT 2200
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 115
 STROKE (MM) ----- 145
 DISPLACEMENT (LITERS) 6.024

FDM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 8.25 X 20
 -PLY ----- 12 ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 460
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- #1
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- #2
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24V (2X12-V BATTERIES)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ HYDRAULIC, AIR ASSISTED, ALL WHEELS
 2/ MANUAL, 2 TO 5 SYNCHROMESH

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-7-4-9-B

NOMEN: TRUCK, UTILITY 1/2 TON, 4X4, P2M

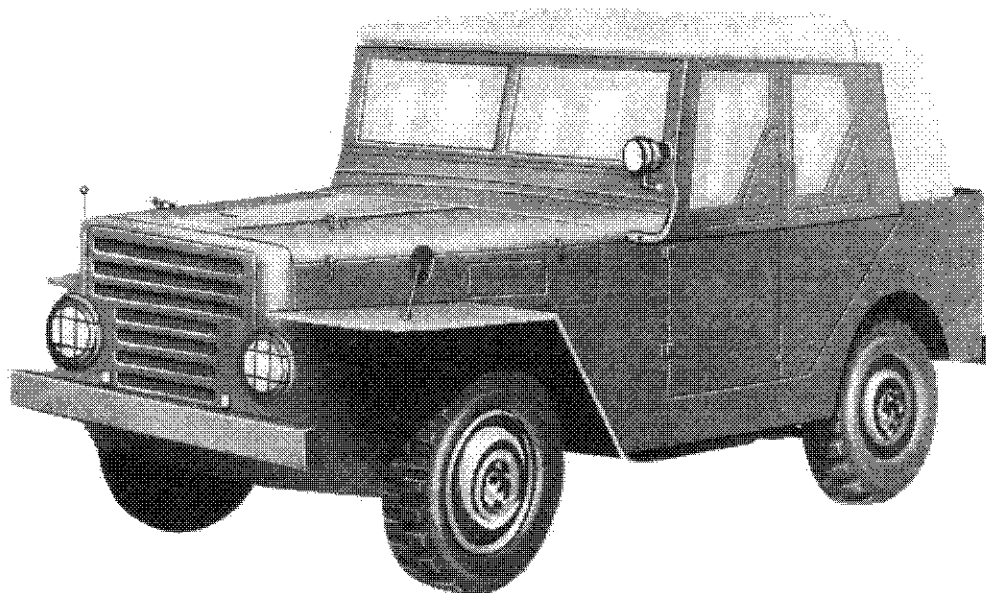
PRODUCED/ADOPTED: 1955-1962/

CATALOG: T8-381-S-22

(OLD 7-2320-4-9)

COUNTRY: EAST GERMANY

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-7-4-9-B

NOMEN: TRUCK, UTILITY 1/2 TON, 4X4, P2M

PRODUCED/ADOPTED: 1955-1962/

CATALOG: T8-381-5-22

ICLD 7-2320-4-91

COUNTRY: EAST GERMANY

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

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FORM-2320-7-4-10-B

NOMEN: TRUCK, CARGO, 4-TON, 4X2, SACHSENRING S 4000-1

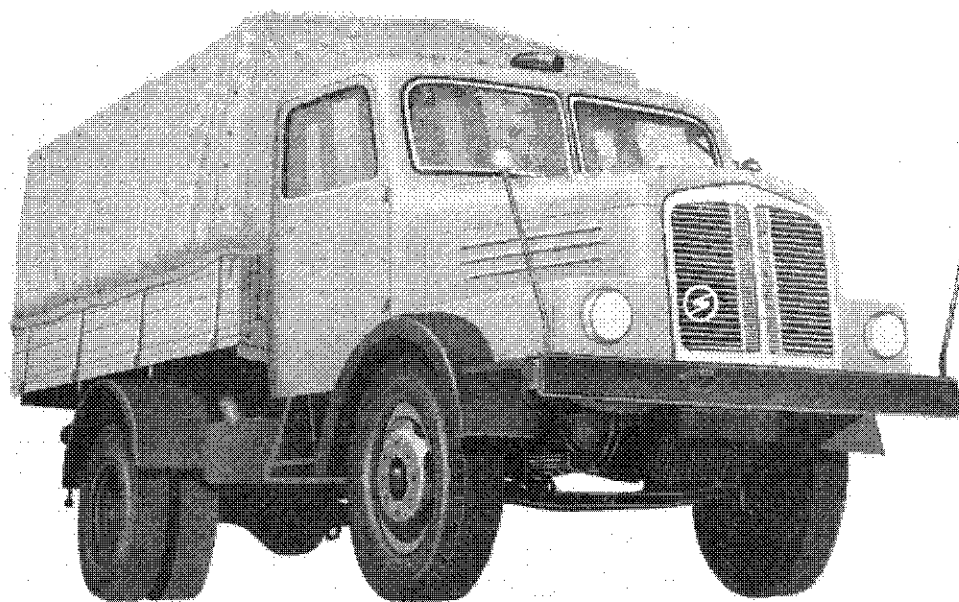
PRODUCED/ADOPTED: 1959-DATE?/

CATALOG: TB-381-5-22

(OLD 7-2320-4-10)

COUNTRY: EAST GERMANY

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-10-B

NOMEN: TRUCK, CARGO, 4-TON, 4X2, SACHSENRING S 4000-1

PRODUCED/ADOPTED: 1959-DATE?/

CATALOG: T8-381-5-22

(OLD 7-2320-4-10)

COUNTRY: EAST GERMANY

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-11-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO 2 1/2 TON, 4X4 ROBUR LO 1800 A

(OLD 7-2320-4-11)

NATIVE DES: LASTKRAFTWAGEN, ROBUR LO 1800A
PRODUCED/ADOPTED: 1961-DATE/COUNTRY: EAST GERMANY
DATE UPDATED: 07AUG73

(U)THE ROBUR LO 1800 A, A MILITARY VERSION OF THE LO 2500 TRUCK, IS MANUFACTURED BY VEB ROBUR KRAFTFAHRZEUG UND MOTORENWERKE IN ZITTAU, EAST GERMANY. IT REPLACED THE OBSOLESCEENT ROBUR GARANT 30K (4 X 4) IN 1961. THE ENGINE, TRANSMISSION, BODY CONSTRUCTION, AND SUSPENSION HAVE BEEN RE-DESIGNED AND IMPROVED. THE PAYLOAD CAPABILITY WAS INCREASED FROM 2 TO 2 1/2 TONS, AND THE TOWING POWER WAS INCREASED.

(U)A CAB-OVER-ENGINE TRUCK, THE LO 1800 A IS EQUIPPED WITH A ROBUR AIR-COOLED, 4-CYLINDER, GASOLINE ENGINE. IT IS DESIGNED TO CARRY A DRIVER AND 10 PASSENGERS; SERVE AS A PRIME MOVER FOR LIGHT ARTILLERY SUCH AS THE 120-MM MORTAR, HEAVY ANTIAIRCRAFT MACHINEGUNS, AND 85-MM ANTITANK GUNS; OR TOW AND SERVICE MIG AIRCRAFT. THE LO 1800 IS ALSO BEING PRODUCED IN A BOX-BODY VERSION, THE LO 1800 AK, AND AS AN AMBULANCE. IT IS USED IN THE HUNGARIAN AS WELL AS IN THE EAST GERMAN ARMY. A DIESEL-POWERED VERSION, THE LO 1800 A, IS ALSO PLANNED BUT HAS NOT GONE INTO PRODUCTION.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-11-A

NOMEN: TRUCK, CARGO 2 1/2 TON, 4X4 ROBUR LO 1800 A

CATALOG: TB-381-5-22

(OLD 7-2320-4-11)

COUNTRY: EAST GERMANY

DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1961-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 3200
 -PAYLOAD OFF HWY ----- 1800
 -PAYLOAD ON HWY ----- 2500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 5000
 -GROSS ON HWY ----- 5700
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1360
 -EMPTY REAR ----- 1840
 -LOADED FRONT OFF HWY - 2050
 -LOADED REAR OFF HWY - 2950
 -LOADED FRONT ON HWY - 2337
 -LOADED REAR ON HWY - 3363

PERSONNEL LOAD (NR) ----- 3 CAB & CARGO AREA

MAX TOWED LOAD (KG)-

-OFF HWY ----- 2100
 -ON HWY ----- 3000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5350
 WIDTH O/ALL ----- 2365
 HEIGHT O/ALL ----- 2730
 CARGO SPACE-

-LENGTH ----- 3000
 -WIDTH ----- 1960
 -HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- 1636
 -REAR ----- 1664

WHEELBASE ----- 3025

GROUND CLEARANCE ----- 265

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL ----- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 55%
 TURNING RADIUS (MM) ----- 6950
 FORDING DEPTH (MM) ----- 1250

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 22
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 720
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 90
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- 65 DEG

ANGLE OF DEPARTURE (DEG) ----- 50

VERTICAL OBSTACLE (MM) ----- 600

TRENCH CROSSING ABILITY(MM) 600

ENGINE:

MODEL ----- ROBUR LO-4
 TYPE ----- 4 CYLINDER, 4 CYCLE
 MAX HP AT RPM ----- 70 AT 3600
 MAX TORQUE (KGM) ----- 22 AT 1900
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 95
 STROKE (MM) ----- 118
 DISPLACEMENT (LITERS) 3.345

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 6.50 X 20 ?
 -PLY ----- 6
 -TYPE ----- 7
 -LOADED RADIUS (MM) - 405
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 160
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC 4 WHEELS
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC W/HELPERS

TRANSMISSION-

-TYPE ----- *1
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 12V
 WINCH-TYPE ----- MECHANICAL
 -CAPACITY (KG) ----- 5000
 -CABLE LENGTH (MM) -- 50,000

REMARKS:

1/ MANUAL (2ND TO 5TH SPEEDS ARE SYNCHOMESH)

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-7-4-11-8

NAME: TRUCK, CARGO 2 1/2 TON, 4X4 ROBUR LO 1800 A

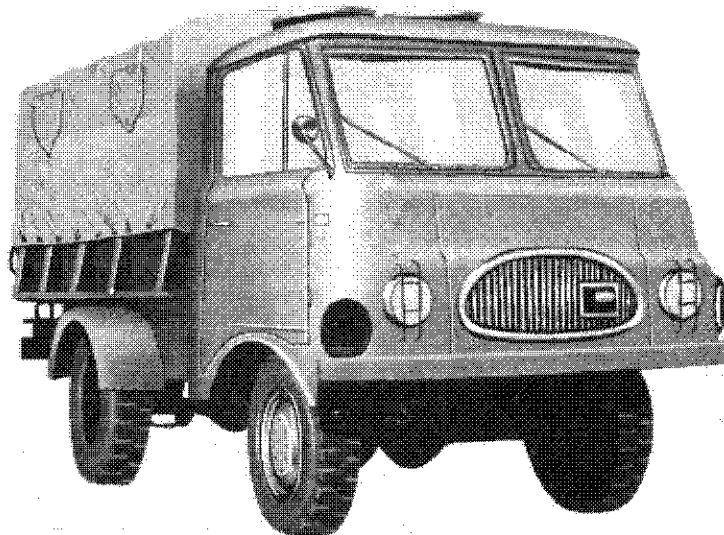
PRODUCED/ADOPTED: 1961-DATE/

CATALOG: TB-381-5-22

(OLD 7-2320-4-11)

COUNTRY: EAST GERMANY

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-7-4-11-B

NOMEN: TRUCK, CARGO 2 1/2 TON, 4X4 ROBUR LO 1800 A

PRODUCED/ADOPTED: 1961-DATE7

CATALOG: TB-381-5-22

FORM 7-2320-4-117

COUNTRY: EAST GERMANY

DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

FORM-2320-7-4-13-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK, UTILITY, 1/2 TON, 4X4 P-3

(OLD 7-2320-4-13)

NATIVE DES: KUEBELWAGEN 0.75-MP-P3

COUNTRY: EAST GERMANY

PRODUCED/ADOPTED: 1962 TO DATE

DATE UPDATED: 07AUG73

THE P-3 IS SIMILAR IN DESIGN TO THE P-2-M WHICH IT REPLACES. BUILT FOR CROSS-COUNTRY AS WELL AS HIGHWAY OPERATION, THE P-3 IS USED AS A COMMAND CAR, AN INTELLIGENCE AND RECONNAISSANCE PERSONNEL CARRIER, AND AN EMERGENCY AMBULANCE. IT WILL CARRY TWO PERSONS IN THE FRONT AND SIX IN THE REAR. IMPROVEMENTS IN THE ENGINE, SUSPENSION SYSTEM, TRANSMISSION, AND BODY CONSTRUCTION ARE EVIDENT IN THE P-3. RAPID OVERHEATING, A MAJOR DEFICIENCY IN THE P-2-M, HAS BEEN OVERCOME IN THE P-3. IT HAS THREE HINGED DOORS, ONE ON EITHER SIDE OF THE DRIVER COMPARTMENT AND ONE IN THE REAR CENTER OF THE TRUCK FOR PASSENGERS AND LOADING CARGO. THE UPPER DOOR PANEL AND SIDE DOOR WINDOWS ARE DETACHABLE AND ARE NORMALLY STORED BEHIND THE RIGHT BENCH IN THE REAR OF THE VEHICLE. A PINTLE HOOK FOR TOWING IS PROVIDED AT THE REAR AND TWO HOOKS ARE BUILT INTO THE FRONT BUMPER.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-13-A
 NOMEN: TRUCK, UTILITY, 1/2 TON, 4X4 P-3

CATALOG: T8-381-5-22
 (OLD 7-2320-4-13)
 COUNTRY: EAST GERMANY
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1962 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 1860
 -PAYLOAD OFF HWY ----- 7
 -PAYLOAD ON HWY ----- 700
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 7
 -GROSS ON HWY ----- 2560
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ? 1004
 -EMPTY REAR ----- ? 856
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 1024
 -LOADED REAR ON HWY --- 1536

PERSONNEL LOAD (NR) ----- 8/W/DRIVER

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 750
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 3710
 WIDTH O'ALL ----- 1950
 HEIGHT O'ALL ----- 1950

CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1420
 -REAR ----- 1400

WHEELBASE ----- 2500

GROUND CLEARANCE ----- 330

PINTLE HEIGHT ----- 7

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60%
 TURNING RADIUS (MM) ----- 5500 DIAMETER
 FORDING DEPTH (MM) ----- 600
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 26
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 475
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 95
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- 400
 TRENCH CROSSING ABILITY(MM) 440

REMARKS:

ENGINE:

MODEL ----- SACHSENRING, OM6/35L
 TYPE ----- 6 CYL IN LINE
 MAX HP AT RPM ----- 75 AT 2200
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 7.50 X 16
 -PLY ----- 6
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 375
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 104
 -AUX TANK ----- 20

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC 4 WHEELS
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- TORSION BAR
 -REAR ----- TORSION BAR

TRANSMISSION-

-TYPE ----- SYNCHRONIZED
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-13-B

NOMEN: TRUCK, UTILITY, 1/2 TON, 4X4 P-3

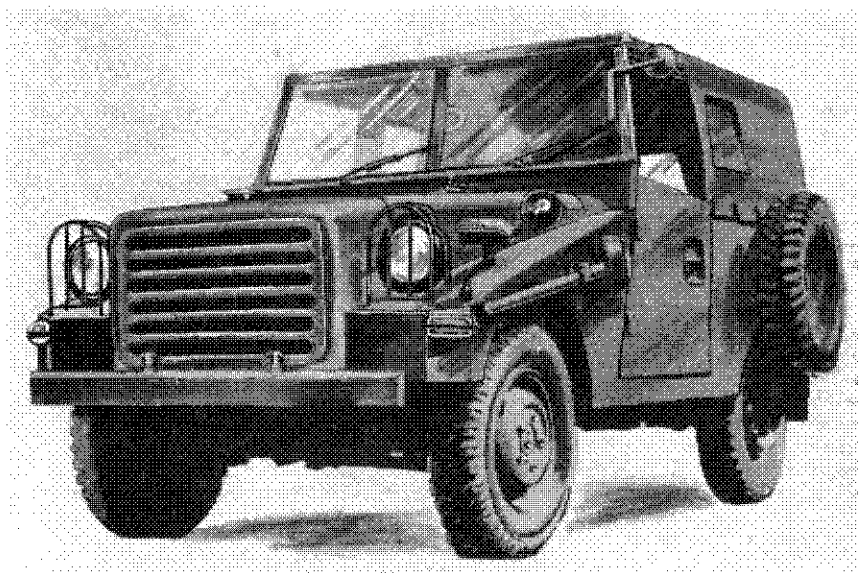
PRODUCED/ADOPTED: 1962 TO DATE

CATALOG: T8-381-5-22

(OLD 7-2320-4-13)

COUNTRY: EAST GERMANY

DATE UPDATED: 07AUG73



DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-13-8

NOMEN: TRUCK, UTILITY, 1/2 TON, 4X4 P-3

PRODUCED/ADOPTED: 1962 TO DATE

CATALOG: TB-381-5-22
(OLD 7-2320-4-13)
COUNTRY: EAST GERMANY
DATE UPDATED: 07AUG73

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DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

FOM-2320-7-4-16-A

U N C L A S S I F I E D

CATALOG: 18-381-5-22

NOMEN: TRUCK, CARGO, 5-TON, 4X2, W50L

(OLD 7-2320-4-16)

NATIVE DES: PRITSCHENWAGEN W 50 L
PRODUCED/ADOPTED: 1965 TO DATECOUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73

(U)PRODUCED BY VEB IFA-AUTOMOBILWERKE, LUDWIGFELDE, EAST GERMANY, THE W 50 L CARGO TRUCK IS AN IMPROVED VERSION OF THE OBSOLETE S 4000-I (FOM-2320-7-4-101). THE CAB SEATS TWO PERSONS, PERMITS ALL-ROUND VISIBILITY, AND IS AIR CONDITIONED. POWER IS FURNISHED BY A WATER-COOLED, 4-CYLINDER, DIESEL ENGINE. A DOUBLE-WALLED, SOUND-ABSORBING HOUSING (WHICH CAN BE RAISED FOR ACCESS) SEPARATES THE ENGINE FROM THE DRIVER'S CAB. THE W 50 L HAS FIVE FORWARD SPEEDS AND ONE REVERSE SPEED, WITH SYNCHROMESH GEARS IN THE SECOND, THIRD, FOURTH, AND TOP RATIOS. THE DIFFERENTIAL USES GLEASON SPIRAL BEVEL GEARS AND SPUR GEARS. THE SPUR GEARS ARE ARRANGED ON A LAYSHAFT WHICH CONNECTS THE ROAD WHEELS. THIS VEHICLE HAS SEPARATE SUPPORTING AND DRIVING AXLES. THESE BUILT-IN AXLES, AND THE COMPARATIVELY SMALL CROWN WHEEL OF THE DIFFERENTIAL, GIVE THE TRUCK A HIGH ROAD CLEARANCE.

(U)SUSPENSION ACTION IS PROVIDED IN THE FRONT OF THE TRUCK BY EXTRA-LONG, LONGITUDINAL, SEMI-ELLIPTIC LEAF SPRINGS AND TELESCOPIC, DOUBLE-ACTION SHOCK ABSORBERS; AND BY SEMIELLIPTIC LEAF SPRINGS, HELICAL SPRINGS, AND OVERLOAD SPRINGS IN THE REAR. A COMPRESSED-AIR-ASSISTED, HYDRAULIC, TWIN-CIRCUIT BRAKING SYSTEM OPERATES ON ALL WHEELS.

(U)THIS CARGO TRUCK WAS DESIGNED FOR A VARIETY OF USES AND IS MADE WITH VARIOUS BODY TYPES. IN ADDITION TO THE 4 X 2 MODEL DESCRIBED ABOVE, A 4 X 4 MILITARY VERSION (FOM-2320-7-4-17) IS ALSO BEING PRODUCED. ALSO SCHEDULED FOR EARLY PRODUCTION ARE THE W 50 LZ TRUCK TRACTOR AND THE W 50 LK DUMP TRUCK, IN BOTH 4 X 2 AND 4 X 4 VERSIONS.

DATE CATALOGED: 01MAR67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-16-A
 NOMEN: TRUCK, CARGO, 5-TON, 4X2, W50L

CATALOG: TB-381-5-22
 (OLD 7-2320-4-16)
 COUNTRY: EAST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1965 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4500
 -PAYLOAD OFF HWY ----- 3000
 -PAYLOAD ON HWY ----- 5300
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 7500
 -GROSS ON HWY ----- 9800
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2500
 -EMPTY REAR ----- 2000
 -LOADED FRONT OFF HWY - 2790
 -LOADED REAR OFF HWY - 4710
 -LOADED FRONT ON HWY - 3000
 -LOADED REAR ON HWY - 6800

PERSONNEL LOAD (NR) ----- 2 IN CAB; 16 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 5000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6532
 WIDTH O/ALL ----- 2500
 HEIGHT O/ALL ----- 2550

CARGO SPACE-

-LENGTH ----- 4500
 -WIDTH ----- 2200
 -HGT OF SIDES ----- 600

TREAD, C TO C-

-FRONT ----- 1700
 -REAR ----- 1778

WHEELBASE -----

-FRONT ----- 3200

GROUND CLEARANCE -----

-FRONT ----- 300

PINTLE HEIGHT -----

-FRONT ----- ?

HGT TO C OF 5TH WHL ---

-FRONT ----- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 33

TURNING RADIUS (MM) ----- 14,200

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 17
 -WATER (L/HRI) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 850
 -WATER ----- N/A

MAX SPEED (KM/HRI) LOADED -

-ROAD ----- 83
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- 4VD 14.5/12 SRW
 TYPE ----- 4 CYLINDER, 4 CYCLE
 MAX HP AT RPM ----- 110 AT 2200
 MAX TORQUE (KGM) ----- 40 AT 1400
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 120
 STROKE (MM) ----- 145
 DISPLACEMENT (LITERS) 6.56

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 8.25 X 20

-PLY ----- ?

-TYPE ----- ?

-LOADED RADIUS (MM) - 460

-INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 100

-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYD., AIR. ASSISTED

-PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLPTIC SPRINGS

-REAR ----- *1

TRANSMISSION-

-TYPE ----- *2

-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS ---

-FRONT ----- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?

-AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) ---

-FRONT ----- 24 (212V BATT.)

WINCH-TYPE -----

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

1/ SEMIELLPTIC LEAF SPRINGS AND HELICAL SPRINGS
 W/OVERLOAD
 2/ MANUAL (2D TO 5TH SPEEDS ARE SYNCHRO MESH)

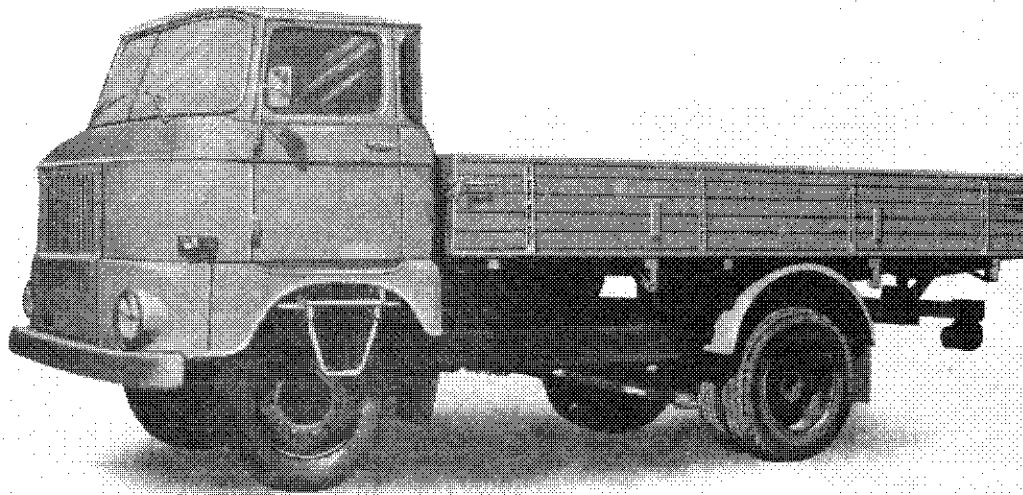
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-16-8
NOMEN: TRUCK, CARGO, 5-TON, 4X2, W50L
PRODUCED/ADOPTED: 1965 TO DATE

CATALOG: TB-381-5-22
(OLD 7-2320-4-16)
COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-16-B
NOMEN: TRUCK, CARGO, 5-TON, 4X2, W50L

PRODUCED/ADOPTED: 1965 TO DATE

CATALOG: T8-381-5-22
(OLD 7-2320-4-16)
COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-18-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, DUMP, 4X2, W 50 LK

(OLD 7-2320-4-18)

NATIVE DES: W50LK KIPPER

COUNTRY: EAST GERMANY

PRODUCED/ADOPTED: 1965-DATE??

DATE UPDATED: 06SEP73

(U)THE W 50 LK DUMP TRUCK IS THE 2-WHEEL DRIVE VERSION OF THE W 50 LK (FOM-2320-7-4-19). IT IS IDENTICAL IN APPEARANCE TO THE W 50 LK AND ONLY MINOR DIFFERENCES EXIST IN THE TECHNICAL CHARACTERISTICS, OWING TO THE ABSENCE OF FRONT-WHEEL DRIVE. THIS TRUCK IS PRODUCED BY THE VEB IFA AUTO-MOBILE PLANT, AS IS THE W 50 LK, AND IS AVAILABLE IN TWO VERSIONS, A TWO-SIDE DUMPER AND A THREE-SIDE DUMPER. EXCEPT THAT THE W 50 LK DOES NOT HAVE POWER STEERING, OPTIONS AND FEATURES ARE THE SAME AS FOR THE W 50 LK DUMP TRUCK.

DATE CATALOGED: 01JUN69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-18-A
 NOMEN: TRUCK, DUMP, 4X2, W 50 LK

CATALOG: TB-381-5-22
 LOLO 7-2320-4-18)
 COUNTRY: EAST GERMANY
 DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1965-DATE?/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4900
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 4800
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 9700
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2060 ?
 -EMPTY REAR ----- 2840 ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 3200
 -LOADED REAR ON HWY --- 6500

PERSONNEL LOAD (NR) ----- 2 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 8000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5820
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 2710

CARGO SPACE-

-LENGTH ----- 3050
 -WIDTH ----- 2350
 -HGT OF SIDES ----- *1

TREAD, C TO C-

-FRONT ----- 1770
 -REAR ----- 1770

WHEELBASE ----- 3200

GROUND CLEARANCE ----- 300

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 33%
 TURNING RADIUS (MM) ----- 14200
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 17 ?
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 72
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- 4VD, 14, 5/12 SRW
 TYPE ----- ?
 MAX HP AT RPM ----- MAX HP AT RPM - 125 AT 230
 MAX TORQUE (KGM) ---- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FOM NR ----- 2815-7-1-1

GENERAL DATA:

TIRES-

-SIZE ----- 8.25X20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC-HYDRAULIC
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC W/HELPERS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/?

TRANSFER, NR SPEEDS --- ?

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24 (TWO 12 BATT)

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

PUMP:

REMARKS:

1/ THE THREE-SIDE DUMPER IS AVAILABLE
 WITH EITHER 460 MM OR 640 MM SIDES. THE TWO
 SIDE DUMPER IS EQUIPPED WITH 850 MM SIDES

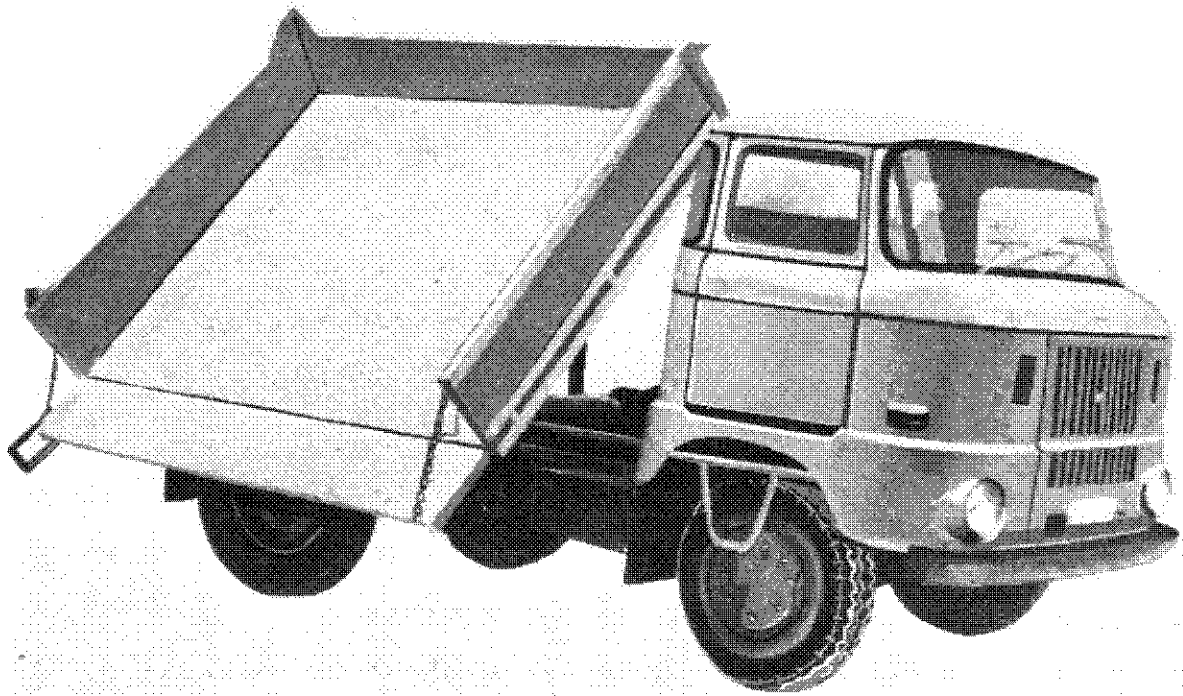
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-7-4-18-B
NOMEN: TRUCK, DUMP, 4X2, W 50 LK
PRODUCED/ADOPTED: 1965-DATE?/

CATALOG: TB-381-5-22
IOL 7-2320-4-181
COUNTRY: EAST GERMANY
DATE UPDATED: 06SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-18-B
NOMEN: TRUCK, DUMP, 4X2, W 50 LK
PRODUCED/ADOPTED: 1965-DATE?/

CATALOG: T8-381-5-22
(OLD 7-2320-4-18)
COUNTRY: EAST GERMANY
DATE UPDATED: 06SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-7-4-19-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, DUMP, 5-TON 4X4, W50 LAK

(OLD 7-2320-4-19)

NATIVE DES: W50 LAK, KIPPER MIT ALL RADANTRIEB
PRODUCED/ADOPTED: 1965-DATE/

COUNTRY: EAST GERMANY
DATE UPDATED: 06SEP73

(U)THE W 50 LAK DUMP TRUCK IS PRODUCED BY THE VEB IFA AUTOMOBILE PLANT LOCATED IN LUDWIGSFELDE AND IS AVAILABLE IN TWO VERSIONS, A TWO-SIDE DUMPER AND A THREE-SIDE DUMPER. THE TWO-SIDE DUMPER MAY BE UNLOADED BY TILTING TO EITHER THE RIGHT OR LEFT, WHILE THE THREE-SIDE DUMPER UNLOADS TO THE REAR AS WELL AS TO EITHER SIDE. THIS VEHICLE IS EQUIPPED WITH POWER STEERING AND BOTH FRONT AND REAR DIFFERENTIAL LOCKS. WHEN THE DUMP BODY IS RAISED, A VIBRATORY OR SHAKING MOTION IS GENERATED TO LOOSEN THE LOAD. A COLD-WEATHER STARTING DEVICE IS AVAILABLE AS OPTIONAL EQUIPMENT. THE ENCLOSED METAL CAB IS HEATED AND INSULATED FOR ALL-WEATHER OPERATION AND NEWER MODELS WILL BE EQUIPPED WITH LOW-PRESSURE TIRES.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-19-A
 NOMEN: TRUCK, DUMP, 5-TON 4X4, W50 LAK

CATALOG: TB-381-5-22
 (OLD 7-2320-4-19)
 COUNTRY: EAST GERMANY
 DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1965-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 5000
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 4800
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 9800
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 2100 ?
 -EMPTY REAR ----- 2900 ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY -- 3230
 -LOADED REAR ON HWY -- 6570
 PERSONNEL LOAD (NR) --- 2 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 8000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5820
 WIDTH O/ALL ----- 2500
 HEIGHT O/ALL ----- 2710
 CARGO SPACE-
 -LENGTH ----- 3050
 -WIDTH ----- 2350
 -HGT OF SIDES ----- *1
 TREAD, C TO C-
 -FRONT ----- 1770
 -REAR ----- 1770
 WHEELBASE ----- 3200
 GROUND CLEARANCE ----- 300
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCES:

MAX GRADIENT LOADED (PCT) -- 53.3%
 TURNING RADIUS (MM) ----- 15,200
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 17
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 72
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- 4 UD 14.5/12 SRW
 TYPE ----- ?
 MAX HP AT RPM ----- MAX HP AT RPM - 125 AT 230
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FOM NR ----- 2815-7-1-1

GENERAL DATA:

TIRES-

-SIZE ----- 8.25 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC HYDRAULIC
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- *2

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/7

TRANSFER, NR SPEEDS --- ?

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24 (TWO 12V BATT)

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (NM) -- N/A

REMARKS:

1/ THE THREE-SIDE DUMPER IS AVAILABLE WITH EITHER
 460 MM OR 640 MM FT SIDES. THE TWO-SIDE DUMPER IS
 EQUIPED WITH 850 MM SIDES.
 2/ SEMIELLIPTIC SPRINGS W/HELPERS

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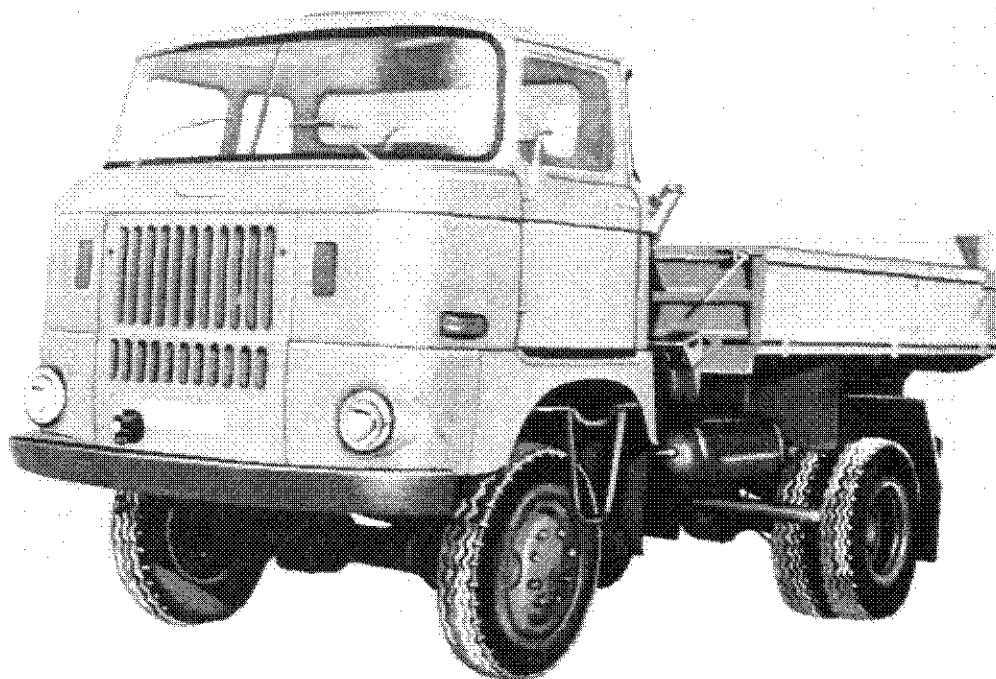
U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-7-4-19-8
NOMEN: TRUCK, DUMP, 5-TON 4X4, W50 LAK

PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-5-22
IDLD 7-2320-4-191
COUNTRY: EAST GERMANY
DATE UPDATED: 06SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-19-B
NOMEN: TRUCK, DUMP, 5-TON 4X4, W50 LAK
PRODUCED/ADOPTED: 1965-DATE/

CATALOG: T8-381-5-22
(OLD 7-2320-4-19)
COUNTRY: EAST GERMANY
DATE UPDATED: 06SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-20-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, UTILITY, 1/4 TON, 4x2, TRABANT 601

(OLD 7-2320-4-20)

NATIVE DES: GELAENDE KUEBELWAGEN TRABANT 601 ("GRENZTRABANT")
PRODUCED/ADOPTED: 1965 TO DATECOUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73

(U)THE MILITARY VERSION OF THE TRABANT 601, CALLED THE "GRENZTRABANT," IS A LIGHTWEIGHT, 4-PLACE, JEEP-TYPE VEHICLE WITH FRONT WHEEL DRIVE, POWERED BY A 2-CYLINDER, 2-CYCLE, AIR COOLED GASOLINE ENGINE. THE BODY IS CONSTRUCTED OF PLASTIC EXTERIOR PANELS ATTACHED TO A SHEET METAL SHELL. THE VEHICLE HAS A REMOVABLE ALL-WEATHER CANVAS TOP, SIDE CURTAINS, AND FOLDDOWN WINDSHIELD. FOR MILITARY SERVICE, THE TRABANT 601 IS EQUIPPED WITH TWO ADJUSTABLE SPOTLIGHTS AND BLACKOUT LIGHTS.

(U)WHILE THE VEHICLE IS LIGHT WEIGHT, ITS LACK OF 4-WHEEL DRIVE LIMITS CROSS-COUNTRY USE. AS A BORDER PATROL VEHICLE, IT WOULD BE CONFINED TO FIRM GROUND OR PAVED ROADS. SOME OF THESE VEHICLES ARE EQUIPPED WITH "HYCOMAT" AUTOMATIC TRANSMISSIONS AND ARE KNOWN AS TRABANT 601-H. THE "GRENZTRABANT" WENT INTO LIMITED PRODUCTION AT VEB ZWICKAU AUTOMOBILE WORKS IN AUGUST 1965.

DATE CATALOGED: 01MAR70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-20-A

NOMEN: TRUCK, UTILITY, 1/4 TON, 4X2, TRABANT 601

CATALOG: TB-381-5-22

(OLD 7-2320-4-20)

COUNTRY: EAST GERMANY

DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1965 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 660
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 340
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 950
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY -- ?

PERSONNEL LOAD (NR) ----- 4, INCLUDING DRIVER

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 3570
 WIDTH O'ALL ----- 1490
 HEIGHT O'ALL ----- 1400

CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1200
 -REAR ----- 1220

WHEELBASE ----- 2000

GROUND CLEARANCE ----- 175

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 58
 TURNING RADIUS (MM) ----- 5000

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 7
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 100
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- AMZ TRABANT
 TYPE ----- 2 CYLINDER, IN-LINE, 2 CYC
 MAX HP AT RPM ----- 23 AT 3750
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) 0.6

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 5.20 X 13
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 283
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- HYD, ALL WHEELS
 -PARKING TYPE ----- MECHANICAL, REAR WHEELS

SUSPENSION SYSTEM-

-FRONT ----- INDEPENDENT
 -REAR ----- INDEPENDENT

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 6

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) --- N/A

REMARKS:

DATE CATALOGED: 01MAR70

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-7-4-20-B

NOMEN: TRUCK, UTILITY, 1/4 TON, 4X2, TRABANT 601

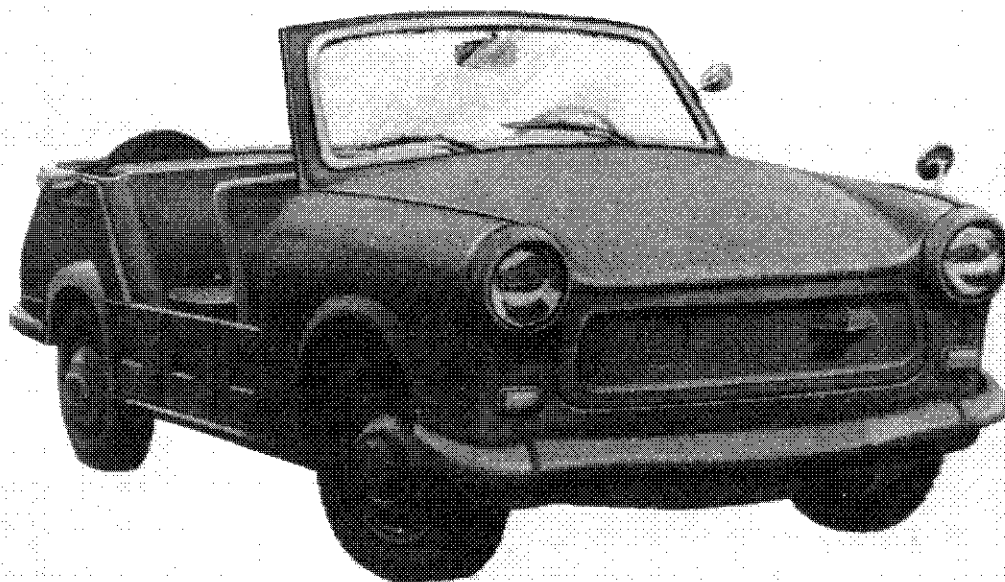
PRODUCED/ADOPTED: 1965 TO DATE

CATALOG: T8-381-5-22

(OLD 7-2320-4-20)

COUNTRY: EAST GERMANY

DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-7-4-20-B

NOMEN: TRUCK, UTILITY, 1/4 TON, 4X2, TRABANT 601

PRODUCED/ADOPTED: 1965 TO DATE

CATALOG: TB-381-5-22
(OLD 7-2320-4-20)
COUNTRY: EAST GERMANY
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01MAR70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-8-4-1-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X2, GSEPEL D-350

(OLD 8-2320-4-1)

NATIVE DES: ? GSEPEL D-350 TIPUSU TEHERGEPKOCSI
PRODUCED/ADOPTED: 1949-1956/COUNTRY: HUNGARY
DATE UPDATED: 30AUG73

(U)THE GSEPEL D-350 CARGO TRUCK WAS PRODUCED BY THE GSEPEL MOTOR WORKS IN BUDAPEST, HUNGARY, FROM 1949 UNTIL 1956. IN 1957, THE PLANT BEGAN MAKING AN IMPROVED VERSION, THE GSEPEL D-352, WHICH IS ALSO A 3 1/2-TON, 4 X 2 CARGO TRUCK. ONLY A LIMITED NUMBER OF THE D-352 VERSION (FOM-2320-8-4-B) WAS MADE. BETWEEN 1950 AND 1954, A 6 X 6 VARIANT OF THE D-350, CALLED THE K-300, WAS PRODUCED, TO BE EMPLOYED AS A VAN TRUCK OR AS A PRIME MOVER FOR ARTILLERY. THESE 6 X 6 TRUCKS ARE STILL WIDELY USED BY THE HUNGARIAN ARMY.

(U)THE GSEPEL D-350 IS, ESSENTIALLY, A LICENSED COPY OF THE AUSTRIAN STEYR D-380. ITS CHASSIS, INCLUDING THE POWER TRAIN, FRAME, AND OTHER PARTS, IS IDENTICAL TO THAT OF THE D-380. THE POWER-PLANT, A 4-CYLINDER DIESEL ENGINE DEVELOPING 85 HORSEPOWER, IS OF HUNGARIAN DESIGN AND IS BUILT BY GSEPEL. ONE VERSION, HOWEVER, KNOWN AS THE B-350, IS POWERED BY AN 85-HORSEPOWER GSEPEL GASOLINE ENGINE.

(U)ALTHOUGH NO LONGER IN PRODUCTION, THE D-350 TRUCK WAS THE MOST COMMONLY USED MILITARY VEHICLE IN THE HUNGARIAN ARMY FOR SOME TIME. PLANS AND SPECIFICATIONS FOR ITS MASS PRODUCTION WERE TURNED OVER TO COMMUNIST CHINA IN 1961.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-8-4-1-A
 NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X2, GSEPEL D-350

CATALOG: TB-381-5-22
 (OLD 8-2320-4-1)
 COUNTRY: HUNGARY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1949-1956/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 3700
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 3500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 7200
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 1770
 -EMPTY REAR ----- 1930
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY -- 2000
 -LOADED REAR ON HWY --- 5200
 PERSONNEL LOAD (NR) ---- 3 CAB 14 REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 3500
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6800
 WIDTH O'ALL ----- 2200
 HEIGHT O'ALL ----- 2130
 CARGO SPACE-
 -LENGTH ----- 3930
 -WIDTH ----- 2100
 -HGT OF SIDES ----- 490
 TREAD, C TO C-
 -FRONT ----- 1740
 -REAR ----- 1630
 WHEELBASE ----- 3710
 GROUND CLEARANCE ----- 225
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 32
 TURNING RADIUS (MM) ----- 8400
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 16-20
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 725
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 75
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- GSEPEL D-413
 TYPE ----- 4 CYLINDER IN LINE OHV
 MAX HP AT RPM ----- MAX HP AT RPM - 85 AT 2200
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 110
 STROKE (MM) ----- 130
 DISPLACEMENT (LITERS) 5.3
 FOM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 8.25 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 460
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 130
 -AUX TANK ----- *1
 BRAKES-
 -PRIMARY TYPE ----- *2
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- *3
 -REAR ----- *4
 TRANSMISSION-
 -TYPE ----- MANUAL, SYNCROMESH
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- YES
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24 (TWO X 12 BATT)
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ NO AUXILIARY TANK; EXTRA FUEL IS CARRIED
 IN FOUR 25 LITER CANS FITTED TO THE SIDE
 OF THE VEHICLE
 2/ HYDRAULIC, VACUUM ASSISTED
 3/ SEMIELLIPTIC SPRINGS W/SHOCK ABSORBERS
 4/ SEMIELLIPTIC SPRINGS W/OVERLOAD SPRINGS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-8-4-1-8

NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X2, GSEPEL D-350

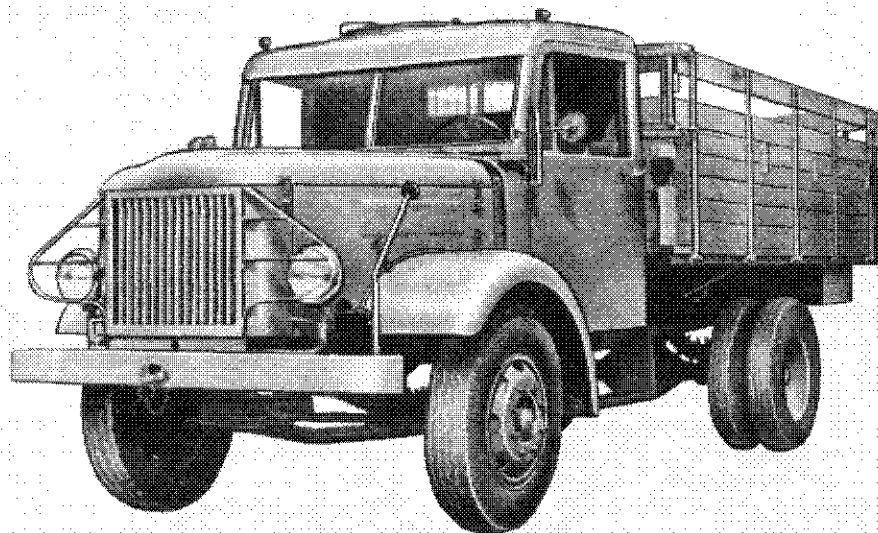
PRODUCED/ADOPTED: 1949-1956/

CATALOG: TB-381-S-22

(OLD 8-2320-4-1)

COUNTRY: HUNGARY

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-8-4-1-B
NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X2, GSEPEL D-350

CATALOG: TB-381-5-22
(OLD 8-2320-4-1)
COUNTRY: HUNGARY
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1949-1956/

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-8-4-6-A

CATALOG: T9-381-5-22

NOMEN: TRUCK, CARGO, 7-TON, 4X2, CSEPEL D-700

(OLD 8-2320-4-6)

NATIVE DES: CSEPEL D-700 TIPUSU TEHERGEPKOCSI
PRODUCED/ADOPTED: 1956 TO DATE

COUNTRY: HUNGARY
DATE UPDATED: 30AUG73

(U)THE CSEPEL D-700, ORIGINAL MODEL IN A LONG SERIES OF TRUCKS PRODUCED AT THE CSEPEL AUTOMOBILE FACTORY, SZIGETSZENTMIKLOS, HUNGARY, IS USED PRIMARILY TO TRANSPORT BULKY AND HEAVY LOADS FOR LONG DISTANCES OVER PAVED HIGHWAYS. ITS CAB-OVER-ENGINE DESIGN WITH FORWARD-TILTING CAB CONTRIBUTES TO EASE OF MAINTENANCE; DROP-SIDES AND TAILGATE FACILITATE LOADING AND UNLOADING. THE LARGE CAB, EQUIPPED WITH A HEATER AND DEFROSTER, CAN SEAT SIX PERSONS IN TWO ROWS.

(U)TRUCKS IN THE D-700 SERIES VARY IN GRILLE DESIGN. IN ADDITION TO THE CARGO TRUCK, THE D-700 SERIES INCLUDES DUMP, REFRIGERATION, CEMENT, TANK, VAN, AND TRACTOR TRUCKS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-8-4-6-A
 NOMEN: TRUCK, CARGO, 7-TON, 4X2, CSEPEL D-700

CATALOG: TB-381-5-22
 (OLD 3-2320-4-6)
 COUNTRY: HUNGARY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1956 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 8600
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 7000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 15600
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 4130
 -EMPTY REAR ----- 4470
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 4370
 -LOADED REAR ON HWY - 11,230
 PERSONNEL LOAD (NR) - 5 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 8485
 WIDTH O/ALL ----- 2450
 HEIGHT O/ALL ----- 2800
 CARGO SPACE-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 5000
 GROUND CLEARANCE ----- 300
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL - N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- ?
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 480
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 65
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) ---- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- D-614
 TYPE ----- *1
 MAX HP AT RPM ----- 145 AT 2300
 MAX TORQUE (KGM) ----- 50 AT 1400
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 112
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 8.2
 FOM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 11.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 510
 -INFLATION SYSTEM - N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- ?
 -AUX TANK ----- ?
 BRAKES-
 -PRIMARY TYPE ----- AIR
 -PARKING TYPE ----- ?
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- *2
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS - ?
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) - 24 (TWO 12 BATT)
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) - N/A

REMARKS:

1/ 6 CYLINDER IN-LINE OHV 4 CYCLE MANUAL, 2 TO 5

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-8-4-6-B

NOMEN: TRUCK, CARGO, 7-TON, 4X2, CSEPEL D-700

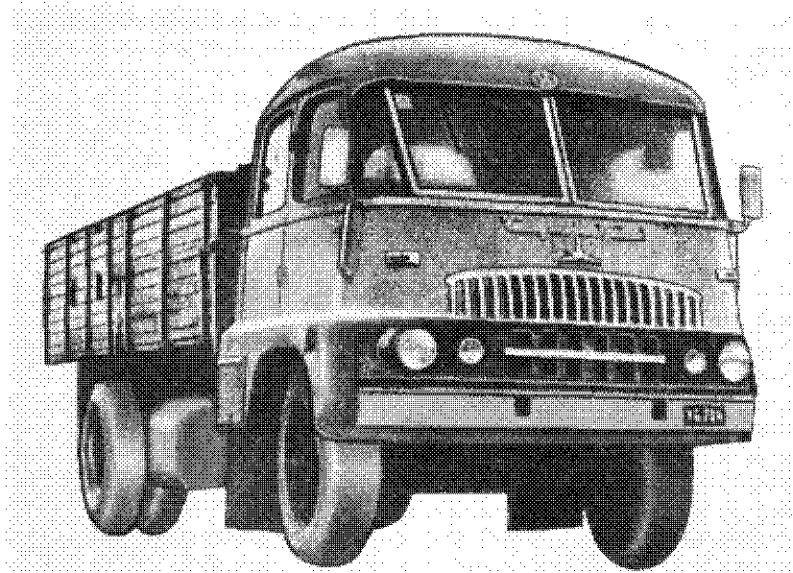
PRODUCED/ADOPTED: 1956 TO DATE

CATALOG: TB-381-5-22

(OLD 8-2320-4-6)

COUNTRY: HUNGARY

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-8-4-6-B

NDMEN: TRUCK; CARGO; 7-TON; 4X2; CSEPEL D-700

PRODUCED/ADOPTED: 1956 TO DATE

CATALOG: T6-381-5-22

(OLD 8-2320-4-6)

COUNTRY: HUNGARY

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-8-4-10-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 5-TON, 4X2, CSEPEL D-450

(OLD 8-2320-4-10)

NATIVE DES: SAMOCHOD CIEZAROWY CSEPEL D-450
PRODUCED/ADOPTED: 1959-DATE/COUNTRY: HUNGARY
DATE UPDATED: 30AUG73

THIS TRUCK IS PRODUCED AT THE CSEPEL MOTOR VEHICLE PLANT IN BUDAPEST. PRODUCTION BEGAN IN 1959. THE D-450 WAS THE REPLACEMENT VEHICLE FOR THE D-420. IT IS A LARGER AND MORE POWERFUL VERSION OF THE D-420 AND FEATURES COMPLETELY NEW STYLING. THE D-344, AN ALL-WHEEL DRIVE VERSION OF THE D-450, IN USE BY THE HUNGARIAN ARMY, CLOSELY RESEMBLES THE D-420. THE D-344 DIFFERS FROM MOST ALL-WHEEL DRIVE TRUCKS PRODUCED BY THE WARSAW PACT COUNTRIES BECAUSE IT HAS A SINGLE REAR AXLE WITH DUAL TIRES. IN ADDITION TO THE BASIC CARGO TRUCK, THE D-450 IS PRODUCED AS A DUMP TRUCK AND AS A TRUCK-TRACTOR. ALTHOUGH STILL IN PRODUCTION, THE D-450 IS TO BE REPLACED BY A NEW CAB-OVER-ENGINE TRUCK DESIGNATED THE D-457.

DATE CATALOGED: 01JAN73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-8-4-10-A
 NOMEN: TRUCK, CARGO, 5-TON, 4X2, CSEPEL D-450

CATALOG: TB-381-5-22
 (OLD 8-2320-4-10)
 COUNTRY: HUNGARY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1959-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 4350
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 5000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 9350
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 2260
 -EMPTY REAR ----- 2090
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY -- 2660
 -LOADED REAR ON HWY -- 6690
 PERSONNEL LOAD (NR) ----- 2 IN CAB
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 5000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6733
 WIDTH O/ALL ----- 2370
 HEIGHT O/ALL ----- 2200
 CARGO SPACE-
 -LENGTH ----- 3970
 -WIDTH ----- 3710
 -HGT OF SIDES ----- 500
 TREAD, C TO C-
 -FRONT ----- 1740
 -REAR ----- 1720
 WHEELBASE ----- 3710
 GROUND CLEARANCE ----- 400
 PINTLE HEIGHT ----- 860
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 28%
 TURNING RADIUS (MM) ----- 17700
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 21
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 620
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 78
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) --- ?
 TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- CSEPEL D-414
 TYPE ----- 4 CYLINDER
 MAX HP AT RPM ----- 95 AT 2300
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - ?
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) 5.517
 FDM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 8.25 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 460
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 130
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- VACUUM-HYDRAULIC
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC LEAF SPGS
 -REAR ----- *1
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 12(12 12V BTRY)
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) --- ?

REMARKS:

1/ SEMIELLPTIC LEAF SPRINGS W/OVERLOAD
 SPRINGS

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U N C L A S S I F I E D

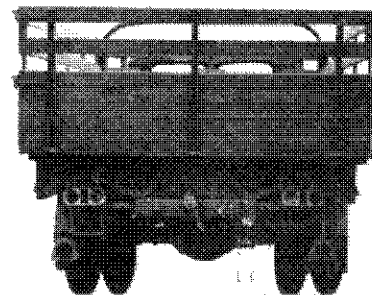
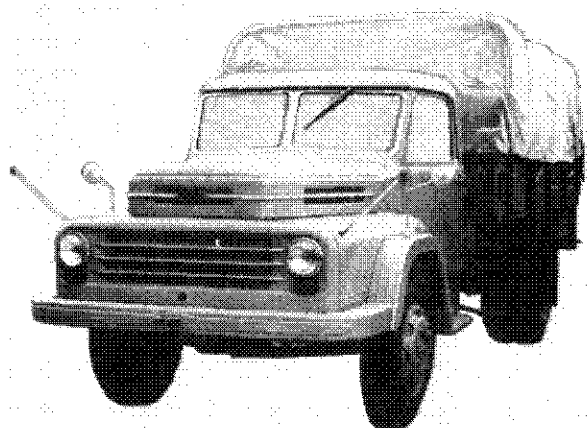
U N C L A S S I F I E D

FORM-2320-8-4-10-8

NOMEN: TRUCK, CARGO, 5-TON, 4X2, CSEPEL D-450

PRODUCED/ADOPTED: 1959-DATE/

CATALOG: TB-381-5-22
(OLD 8-2320-4-10)
COUNTRY: HUNGARY
DATE UPDATED: 30AUG73



DATE CATALOGED: 01JAN73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-8-4-10-8
NGMEN: TRUCK, CARGO, 5-TON, 4X2, CSEPEL D-450

PRODUCED/ADOPTED: 1959-DATE/

CATALOG: T8-381-5-22
(OLD 8-2320-4-10)
COUNTRY: HUNGARY
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-8-5-2-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TRACTOR, 4X2, CSEPEL D705N

(OLD 8-2320-5-2)

NATIVE DES: NYERGESVONTATO CSEPEL D705N
PRODUCED/ADOPTED: 1960-DATE/COUNTRY: HUNGARY
DATE UPDATED: 30AUG73

(U)THE CSEPEL D 705 N, 4 X 2 TRUCK TRACTOR IS SIMILAR TO THE CSEPEL D 450 N (FOM-2320-8-5-1) BUT IS LARGER AND MORE POWERFUL. LIKE THE D 450 N, IT IS MANUFACTURED AT THE CSEPEL AUTOMOBILE FACTORY, SZIGETSZENTMIKLOS, HUNGARY. ITS CAB-OVER-ENGINE DESIGN WITH FORWARD-TILTING CAB CONTRIBUTES TO EASE OF MAINTENANCE. THE LARGE DRIVER'S COMPARTMENT IS EQUIPPED WITH A HEATER AND DEFROSTER, AND SEATS FIVE PERSONS IN TWO ROWS. THE REAR SEAT CONVERTS INTO DOUBLE-DECK BUNKS PROVIDING SLEEPING ACCOMMODATIONS FOR TWO PERSONS.

(U)THE CSEPEL D 700 SERIES IS COMPRISED OF THE HEAVIEST TRUCKS CURRENTLY IN PRODUCTION IN HUNGARY, ALTHOUGH HEAVIER MODELS ARE IN PROTOTYPE. THE VARIOUS TRUCKS IN THE D 700 SERIES VARY IN GRILLE DESIGN, AND EARLY MODELS WERE POWERED WITH A 125-HORSEPOWER ENGINE; NOW, HOWEVER, MOST MODELS ARE EQUIPPED WITH THE D 614, A 145- HORSEPOWER ENGINE.

DATE CATALOGED: 01DEC71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-8-5-2-A
NOMEN: TRUCK, TRACTOR, 4X2, CSEPEL DT05NCATALOG: TB-381-5-22
(OLD 8-2320-5-2)
COUNTRY: HUNGARY
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1960-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 6100
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- #1
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 13800
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 3540
 -EMPTY REAR ----- 2560
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 4140
 -LOADED REAR ON HWY - 9660

PERSONNEL LOAD (NR) ----- 5

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- 15,750

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5800
 WIDTH O/ALL ----- 2450
 HEIGHT O/ALL ----- 2680
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1840
 -REAR ----- 1825

WHEELBASE ----- 3400

GROUND CLEARANCE ----- 300

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- 1320

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 18000
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 36
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 78
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- D-614
 TYPE ----- 6 CYLINDER IN-LINE
 MAX HP AT RPM ----- 145 AT 2300
 MAX TORQUE (KGM) ----- 50 AT 1400
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 112
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 8.275

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 X 20 HD
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 510
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- AIR, TWIN LINE
 -PARKING TYPE ----- MECH ON DRIVE SHAFT

SUSPENSION SYSTEM-

-FRONT ----- #2
 -REAR ----- #3

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1 (2-5 SYNCHROMESH)

TRANSFER, NR SPEEDS --- ?

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24 (TWO X 12 BATT)

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

REMARKS:

1/ LOAD ON FIFTH WHEEL 7700 KG
 2/ SEMIELLIPTIC LEAF SPRINGS
 3/ SEMIELLIPTIC LEAF SPRINGS W/OVERLOAD SPRINGS

DATE CATALOGED: 01OCT71
 VOLUME 22, PAGE 544

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-8-5-2-B

NOMEN: TRUCK, TRACTOR, 4X2, CSEPEL D705N

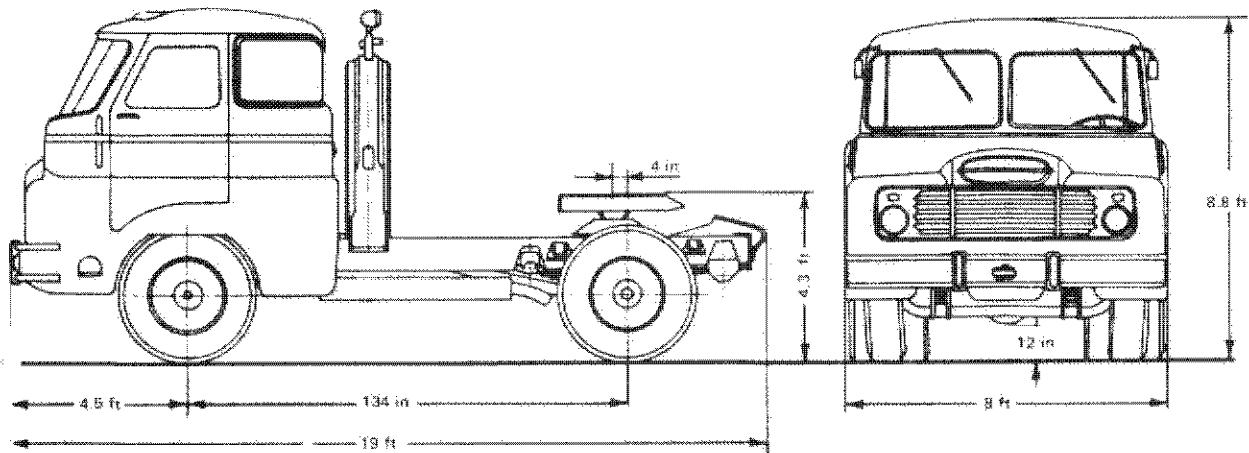
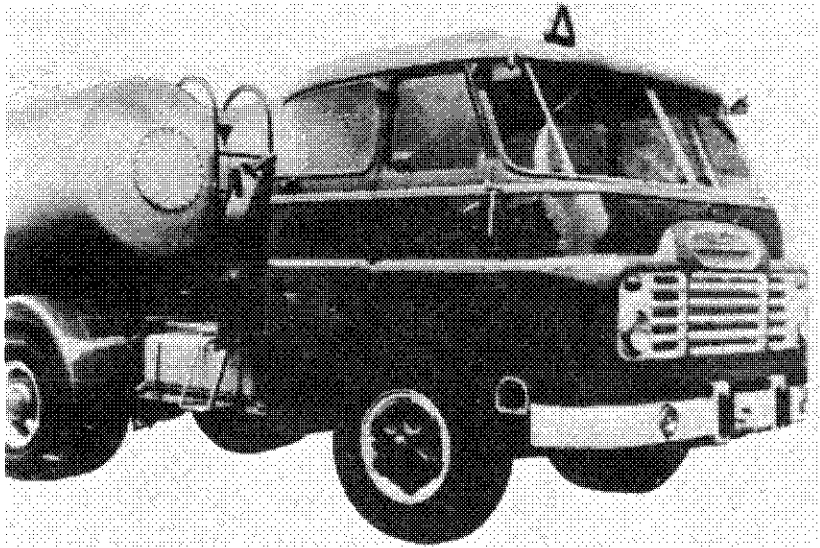
PRODUCED/ADOPTED: 1960-DATE/

CATALOG: TR-381-5-22

(OLD 8-2320-5-2)

COUNTRY: HUNGARY

DATE UPDATED: 30AUG73



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DATE CATALOGED: 01OCT71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-8-5-2-8

NOMEN: TRUCK, TRACTOR, 4X2, CSEPEL D705N

PRODUCED/ADOPTED: 1960-DATE/

CATALOG: TB-381-5-22

(OLD 8-2320-5-2)

COUNTRY: HUNGARY

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01OCT71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-10-4-2-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 2-1/2-TON, 4X2, VICTORY-58

(OLD 10-2320-4-2)

NATIVE DES: SUNGNI-58

COUNTRY: NORTH KOREA

PRODUCED/ADOPTED: 1958-DATE?

DATE UPDATED: 07AUG73

(U)THE VICTORY-58, MANUFACTURED BY THE TOKCH'ON FACTORY IN P'YONGAN-NAMDE, NORTH KOREA, IS A COPY OF THE SOVIET GAZ-51 (FOM-2320-2-4-21). THE VICTORY-58 HAS WEAKER SPRINGS THAN THE GAZ-51; THE ENGINE, WHICH ACTUALLY DEVELOPS LESS THAN ITS RATED 70-HORSEPOWER, IS HARD TO START; AND THE CRUDELY COPIED CARBURETOR, USED SINCE 1961, WASTES GASOLINE BADLY AT LOW SPEEDS, ACCOUNTING FOR THE UNUSUALLY HIGH FUEL CONSUMPTION.

(U)THE VICTORY-58 HAS A LARGE LOADING CAPACITY FOR ITS DEADWEIGHT. MILITARY MODELS OF THE VEHICLE ARE EQUIPPED WITH DUAL-TIRED REAR WHEELS; CIVILIAN MODELS ARE EQUIPPED WITH SINGLE TIRES ONLY. SINCE THE INADEQUATE NORTH KOREAN TIRE INDUSTRY CAN SUPPLY ONLY 30% OF THE TOTAL NEEDS IN POOR GRADE TIRES, THE REMAINING 70% ARE IMPORTED FROM THE U.S.S.R. AND JAPAN.

(U)THE 70-HORSEPOWER ENGINE, COPIED FROM THE GAZ-551 ENGINE (FOM-2805-2-1-9), IS LOCALLY PRODUCED BY THE TOKCH'ON AUTOMOBILE FACTORY; SOME PARTS AND ASSEMBLIES ARE SUBCONTRACTED TO OTHER NORTH KOREAN MANUFACTURES.

DATE CATALOGED: 01JUN67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-10-4-2-A
 NOMEN: TRUCK, CARGO, 2-1/2-TON, 4X2, VICTORY-58

CATALOG: TB-381-5-22
 (OLD 10-2320-4-2)
 COUNTRY: NORTH KOREA
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1958-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 2710
 -PAYLOAD OFF HWY ----- 2000
 -PAYLOAD ON HWY ----- 2650
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 4710
 -GROSS ON HWY ----- 5360
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1300
 -EMPTY REAR ----- 1410
 -LOADED FRONT OFF HWY - 1413
 -LOADED REAR OFF HWY -- 3297
 -LOADED FRONT ON HWY -- 1610
 -LOADED REAR ON HWY --- 3750

PERSONNEL LOAD (NR) ----- 2 IN CAB, 12 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 3500
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5525
 WIDTH O/ALL ----- 2200
 HEIGHT O/ALL ----- 2130
 CARGO SPACE-
 -LENGTH ----- 2940
 -WIDTH ----- 1990
 -HGT OF SIDES ----- 540
 TREAD, C TO C-
 -FRONT ----- 1585
 -REAR ----- 1650
 WHEELBASE ----- 3300
 GROUND CLEARANCE ----- 244
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 26%
 TURNING RADIUS (MM) ----- 7620
 FORDING DEPTH (MM) ----- 640
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 26
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 344
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 70
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 40 DEG
 ANGLE OF DEPARTURE (DEG) --- 32
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- VICTORY-58
 TYPE ----- 6 CYL, 4 STROKE
 MAX HP AT RPM ----- 70 AT 2800
 MAX TORQUE (KGM) ----- 20.5 AT 1500-1700
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 52.93
 STROKE (MM) ----- 70.95
 DISPLACEMENT (LITERS) 3.4

FDM NR ----- 2805-2-1-9

GENERAL DATA:

TIRES-

-SIZE ----- 7.50 x 20
 -PLY ----- 8
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 443
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 90
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

DATE CATALOGED: 01JUN67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-10-4-2-B

NOMEN: TRUCK, CARGO, 2-1/2-TON, 4X2, VICTORY-58

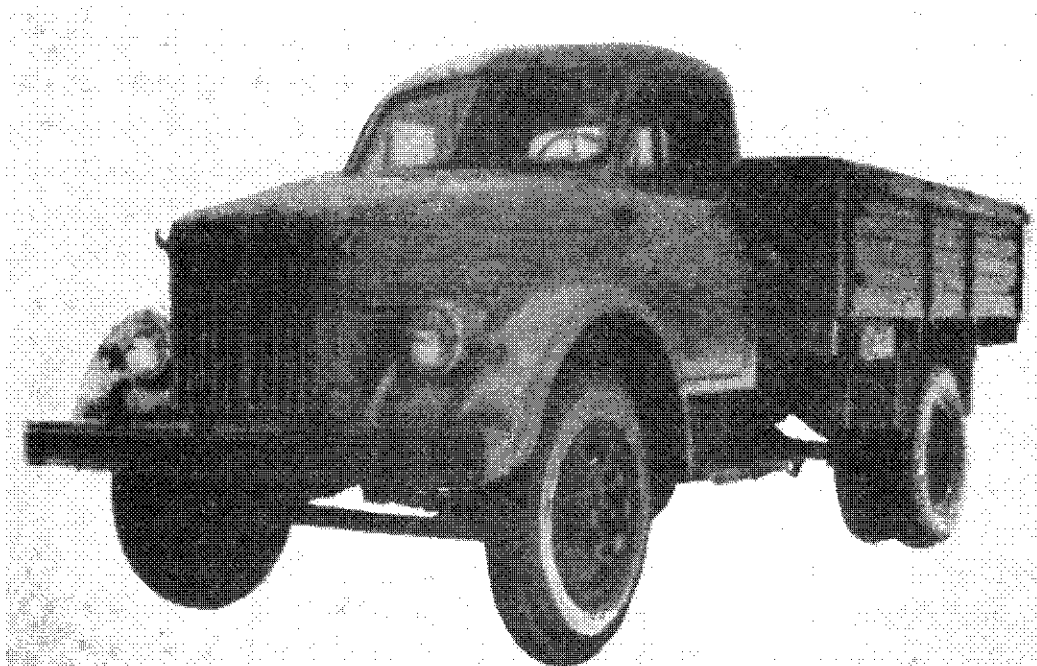
PRODUCED/ADOPTED: 1956-DATE/

CATALOG: TB-381-5-22

(GLD. 10-2320-4-2)

COUNTRY: NORTH KOREA

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-10-4-2-B

NOMEN: TRUCK, CARGO, 2-1/2-TON, 4x2, VICTORY-58

PRODUCED/ADOPTED: 1958-DATE/

CATALOG: T8-381-5-22
(OLD 10-2320-4-2)
COUNTRY: NORTH KOREA
DATE UPDATED: 07AUG73

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DATE CATALOGED: 01JUN67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-11-4-1-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 4 TON, 4X2, STAR 20

(OLD 11-2320-4-1)

NATIVE DES: SAMOCHOD CIEZAROWY STAR 20
PRODUCED/ADOPTED: 1951-1957/

COUNTRY: POLAND
DATE UPDATED: 07AUG73

(U)ORIGINALLY A 3 1/2-TON TRUCK, THE STAR 20'S CAPACITY WAS INCREASED TO 4 TONS IN 1954. IT IS UTILIZED THROUGHOUT THE POLISH ARMY AS A CRGO TRUCK.

(U)RECOGNITION FEATURES ARE ITS CAB-OVER-ENGINE CONFIGURATION AND HORIZONTAL RADIATOR GRILLE-BARS. IT WAS PRODUCED BY THE STARACHOWICE TRUCK PLANT IN A VARIETY OF SPECIAL-PURPOSE MODELS, INCLUDING THE W-14 DUMP TRUCK, THE C-60 TRUCK TRACTOR, AND TRUCK-MOUNTED CRANES AND CEMENT MIXERS. (U)THE STAR 20, POWERED BY A BADLY DESIGNED GASOLINE ENGINE, IS SUBJECT TO SEVERE THERMAL STRESS. ATTEMPTS TO REMEDY ITS DEFECTS, AS WELL AS OTHER DEFICIENCIES OF THE TRUCK, WERE FINALLY ABANDONED IN FAVOR OF A NEW MODEL: THE STAR 25. PRODUCTION OF AN INTERIM MODEL, THE STAR 21, WAS BEGUN IN 1957; IT INCORPORATED SOME OF THE IMPROVEMENTS OF THE STAR 25.

DATE CATALOGED: 01SEP66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-11-4-1-A
 NOMEN: TRUCK, CARGO, 4 TON, 4X2, STAR 20

CATALOG: TB-381-5-22
 (OLD 11-2320-4-1)
 COUNTRY: POLAND
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1951-1957/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 3710
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 4000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 7710
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY -- 2620
 -LOADED REAR ON HWY --- 5090

PERSONNEL LOAD (NR) ----- 2 CAB 14 REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 4500

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5850
 WIDTH O/ALL ----- 2190
 HEIGHT O/ALL ----- 2190

CARGO SPACE-

-LENGTH ----- 3750
 -WIDTH ----- 2100
 -HGT OF SIDES ----- 610

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 3000

GROUND CLEARANCE ----- 241

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 6,000
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 28
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 410
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 72
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- ?

ANGLE OF DEPARTURE (DEG) ----- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- S-42
 TYPE ----- ?
 MAX HP AT RPM ----- 85 AT 2800
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FDM NR ----- 2

GENERAL DATA:

TIRES-

-SIZE ----- 8.25 X 20
 -PLY ----- 12
 -TYPE ----- ?

-LOADED RADIUS (MM) - 460

-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 113

-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- #1
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A

-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

1/ HYDRAULIC W/VACUUM ASSIST

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOK-2320-11-4-1-B

NOMEN: TRUCK, CARGO, 4 TON, 4X2, STAR 20

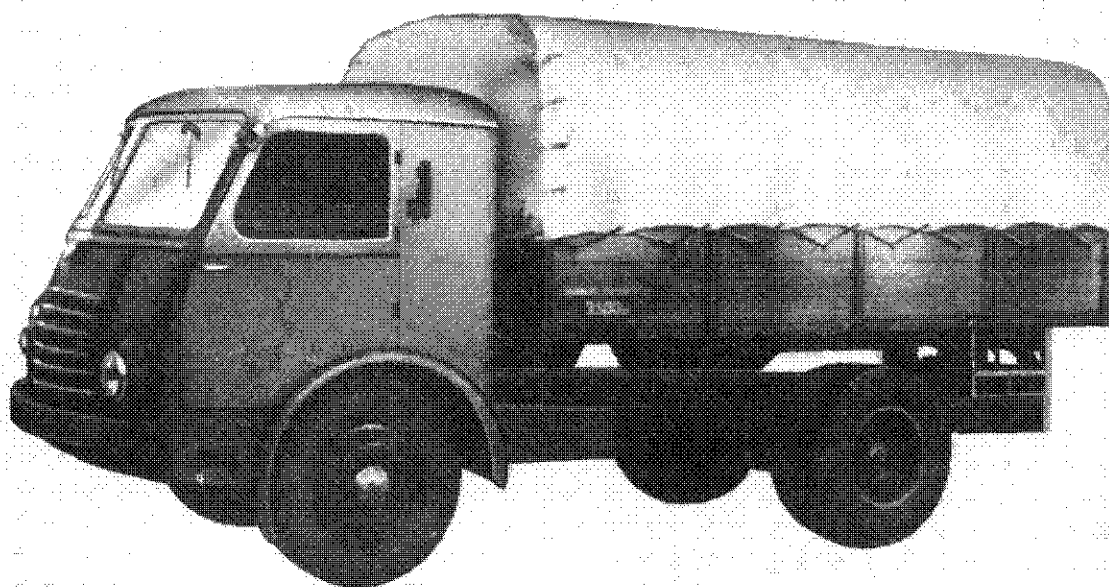
PRODUCED/ADOPTED: 1951-1957/

CATALOG: TB-381-5-22

(OLD 11-2320-4-1)

COUNTRY: POLAND

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-1-B
NOMEN: TRUCK, CARGO, 4 TON, 4X2, STAR 20
PRODUCED/ADOPTED: 1951-1957

CATALOG: TR-381-5-22
(OLD 11-2320-4-1)
COUNTRY: POLAND
DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-4-A

CATALOG: Y8-381-5-22

NOMEN: TRUCK, CARGO, 4-TON, 4X2, STAR 25

(OLD 11-2320-4-4)

NATIVE DES: SAMOCHOD CIEZAROWY STAR 25
PRODUCED/ADOPTED: 1958-1960/

COUNTRY: POLAND
DATE UPDATED: 07AUG73

(U)THE STAR 25 CARGO TRUCK PRODUCED BY THE STARACHOWICE TRUCK PLANT, IS A MODIFICATION OF THE STAR 20. DESIGNED TO TRANSPORT PERSONNEL AND CARGO, ITS APPEARANCE RESEMBLES THE OLDER STAR 20 AND 21.

(U)MAJOR CHANGES IN THE ENGINE, TRANSMISSION, AND REAR AXLE GEAR RANGE HAVE MADE THIS A MORE CAPABLE IMPROVED TRUCK. THE S-472 ENGINE, DEVELOPED FROM THE S-42 ENGINE WHICH POWERED THE STAR 20, IS MORE ECONOMICAL TO OPERATE. THE VEHICLE APPEARS IN A NUMBER OF VERSIONS; THE MOST COMMON ARE THE 25 L LONG WHEELBASE CARGO TRUCK, THE W 25 DUMP TRUCK, AND THE C 25 TRUCK TRACTOR WITH A D 60 SEMITRAILER. MANY OF THE STAR 25 COMPONENTS ARE UTILIZED IN THE STAR 66, A 6 X 6 CARGO TRUCK.

(U)THE SUSPENSION SYSTEM IS COMPOSED OF LONGITUDINAL LEAF SPRINGS WITH TELESCOPIC SHOCK ABSORBERS IN FRONT AND OVERLOAD SPRINGS WITHOUT SHOCK ABSORBERS IN THE REAR.

(U)LACKING AN ALL-WHEEL-DRIVE CAPABILITY, THE CROSS-COUNTRY PERFORMANCE OF THE STAR 25 IS LIMITED. IN 1960, IT WAS REPLACED BY THE STAR 27.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-4-A
NOMEN: TRUCK, CARGO, 4-TON, 4X2, STAR 25

CATALOG: TB-301-5-22
(OLD 11-2320-4-4)
COUNTRY: POLAND
DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1958-1960/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 3900
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 4000
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 7900
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- ?
-EMPTY REAR ----- ?
-LOADED FRONT OFF HWY -- ?
-LOADED REAR OFF HWY -- ?
-LOADED FRONT ON HWY -- 2690
-LOADED REAR ON HWY -- 5220
PERSONNEL LOAD (NR) ---- 2 IN CAB, 14 IN REAR
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- 3500
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5800
WIDTH O/ALL ----- 2200
HEIGHT O/ALL ----- 2500
CARGO SPACE-
-LENGTH ----- 3800
-WIDTH ----- 2100
-HGT OF SIDES ----- 600
TREAD, C TO C-
-FRONT ----- ?
-REAR ----- ?
WHEELBASE ----- 3000
GROUND CLEARANCE ----- 241
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
TURNING RADIUS (MM) ----- 4000
FORDING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 31
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 480
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 88
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- ?
ANGLE OF DEPARTURE (DEG) --- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- S-472
TYPE ----- ?
MAX HP AT RPM ----- 95 AT 3000
MAX TORQUE (KGM) ----- ?
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- ?
STROKE (MM) ----- ?
DISPLACEMENT (LITERS) ?
FOM NR ----- ?

GENERAL DATA:

TIRES-
-SIZE ----- 8.25 X 20
-PLY ----- 10
-TYPE ----- ?
-LOADED RADIUS (MM) - 460
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 150
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- HYD. W/AIR ASSIST
-PARKING TYPE ----- MECHANICAL
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS
TRANSMISSION-
-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 5/1
TRANSFER, NR SPEEDS --- N/A
LOCKING DIFFERENTIAL-
-MANUAL ----- N/A
-AUTOMATIC ----- N/A
ELEC SYSTEM (VOLTS) --- 12
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

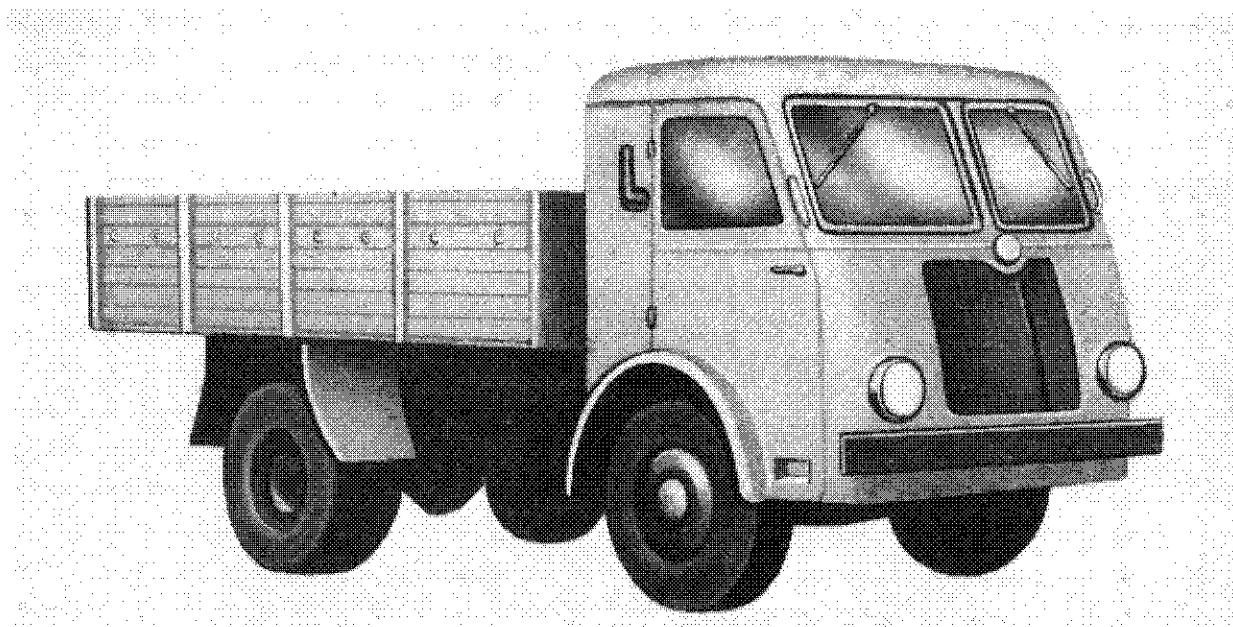
DATE CATALOGED: 01SEP66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-4-8
NOMEN: TRUCK, CARGO, 4-TON, 4X2, STAR 25
PRODUCED/ADOPTED: 1958-1960/

CATALOG: T8-381-5-22
(OLD 11-2320-4-4)
COUNTRY: POLAND
DATE UPDATED: 07AUG73



DATE CATALOGED: 01SEP66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-4-B.
NOMEN: TRUCK, CARGO, 4-TON, 4X2, STAR 25

CATALOG: TB-381-5-22
(OLD 11-2320-4-4)
COUNTRY: POLAND
DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1958-1960/

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DATE CATALOGED: 01SEP66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-5-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 8-TON, 4X2, ZUBR A80

(OLD 11-2320-4-5)

NATIVE DES: SAMOCHOD CIEZAROWY ZUBR A80
PRODUCED/ADOPTED: 1959-DATE/COUNTRY: POLAND
DATE UPDATED: 37AUG73

(U)THE ZUBR A80 CARGO TRUCK, MANUFACTURED BY THE JELCZE MOTOR WORKS, OLAWA, IS THE FIRST 8-TON VEHICLE TO BE PRODUCED IN POLAND. LIKE MANY POLISH TRUCKS IT HAS A CAB-OVER-ENGINE CONFIGURATION AND SUPERFICIALLY RESEMBLES AN ITALIAN FIAT TRUCK. THE CAB HAS TWO SEATS AND TWO BERTHS. IN 1965, SUBSTANTIAL NUMBERS WERE DELIVERED TO THE POLISH ARMY. PROBABLY TO SERVE AS CARGO AND PERSONNEL CARRIERS. THEY CAN ALSO TOW WEAPONS AND TRAILERS UP TO 13 METRIC TONS.

(U)FIRST INTRODUCED IN 1959 AS A LIMITED PRODUCTION MODEL, THE ZUBR A80 WAS SUBSTANTIALLY MODIFIED AT THE BEGINNING OF 1962. THE S 56 DIESEL ENGINE WAS COPIED AFTER THE U.K. LEYLAND ENGINE OF THE SAME MODEL DESIGNATION. IT WAS RATED AT 145 HORSEPOWER AND WAS REPLACED LATER BY THE S 560 ENGINE OF 170 HORSEPOWER WHICH, TOGETHER WITH A SPECIAL REDUCTION GEAR IN THE DIFFERENTIAL, INCREASED THE MAXIMUM SPEED FROM 45 TO 48 MPH. FUEL CONSUMPTION WAS IMPROVED, PROVIDING 10 MILES PER GALLON. THE WEIGHT OF THE TRUCK WAS REDUCED BY ABOUT 600 POUNDS, AND THE WOODEN SIDES OF THE CARGO BODY WERE REPLACED WITH STEEL.

(U)THE SUSPENSION SYSTEM IS COMPOSED OF LONGITUDINAL SPRINGS REINFORCED BY OVERLOAD SPRINGS IN THE REAR. TELESCOPIC SHOCK ABSORBERS ARE USED IN THE FRONT ONLY.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-5-A
 NOMEN: TRUCK, CARGO, 8-TON, 4X2, ZUBR A80

CATALOG: TB-381-5-22
 (OLD 11-2320-4-5)
 COUNTRY: POLAND
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1959-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 7550
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 8000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 15550
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 4030
 -EMPTY REAR ----- 3520
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 5300
 -LOADED REAR ON HWY -- 10,250

PERSONNEL LOAD (NR) ----- 4 IN CAB, 20 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 13,000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7346
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 3000
 CARGO SPACE-

-LENGTH ----- 4883
 -WIDTH ----- 2290
 -HGT OF SIDES ----- 600

TREAD, C TO C-

-FRONT ----- 2086
 -REAR ----- 1800

WHEELBASE ----- 4100

GROUND CLEARANCE ----- 225

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 28
 TURNING RADIUS (MM) ----- 8500
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 25
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 640
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 75
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- 30 DEG

ANGLE OF DEPARTURE (DEG) ----- 19

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- S 56
 TYPE ----- 6 CYL, 4 STROKE
 MAX HP AT RPM ----- 145 AT 2200
 MAX TORQUE (KGM) ----- 50 AT 1400
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 125
 STROKE (MM) ----- 135
 DISPLACEMENT (LITERS) 9.93

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 X 20
 -PLY ----- 14
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 500
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 160
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- COMPRESSED AIR
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - *1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A

-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

1/ 5/1 (2 THROUGH 5 SYNCHRONIZED)

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-5-8
NOMEN: TRUCK, CARGO, 8-TON, 4X2, ZUBR A80
PRODUCED/ADOPTED: 1959-DATE/

CATALOG: TB-381-5-22
(OLD 11-2320-4-5)
COUNTRY: POLAND
DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-11-4-5-8

NOMEN: TRUCK, CARGO, 8-TON, 4X2, ZUGR A80

PRODUCED/ADOPTED: 1959-DATE/

CATALOG: TB-381-5-22
(OLD 11-2320-4-5)
COUNTRY: POLAND
DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-6-A

CATALOG: TB-381-5-22

NOMEN: TRUCK; CARGO, 4 TON; 4X2; STAR 21

(OLD 11-2320-4-6)

NATIVE DES: SAMOCHOD CIEZAROWY STAR 21
PRODUCED/ADOPTED: 1957-1958/

COUNTRY: POLAND
DATE UPDATED: 07AUG73

1) THE STAR 21, REPLACING THE STAR 20, WAS MANUFACTURED FOR LESS THAN A YEAR BY THE STARACHOWICE TRUCK PLANT. IT SERVED AS AN INTERIM MODEL UNTIL RETOOLING FOR THE STAR 25, A MORE COMPLETELY REDESIGNED AND IMPROVED VEHICLE, WAS ACCOMPLISHED. FUNDAMENTALLY, THE DIFFERENCE BETWEEN THE "20" AND THE "21" ARE IN THE TRANSMISSION WHERE THE FORWARD GEARSHIFTS WERE INCREASED FROM FOUR TO FIVE; IN THE FINAL DRIVES WITH A 7.17:1 REDUCTION RATE INSTEAD OF 6.13:1; IN A REINFORCED FRAME, AND IN ENGINE AND CAB IMPROVEMENTS. THE VEHICLE WAS PRODUCED IN A WIDE RANGE OF SPECIALIZED BODIES.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-6-A

NOMEN: TRUCK, CARGO, 4 TON, 4X2, STAR 21

PRODUCED/ADOPTED: 1957-1958/

CATALOG: TB-381-9-22
 (OLD 11-2320-4-6)
 COUNTRY: POLAND
 DATE UPDATED: 07AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 3520
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 4000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 7520
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY ----- ?
 -LOADED REAR OFF HWY ----- ?
 -LOADED FRONT ON HWY ----- 2560
 -LOADED REAR ON HWY ----- 4960

PERSONNEL LOAD (NR) ----- 2 CAB 14 REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 4500

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5910
 WIDTH O'ALL ----- 2190
 HEIGHT O'ALL ----- 2190

CARGO SPACE-

-LENGTH ----- 3750
 -WIDTH ----- 2100
 -HGT OF SIDES ----- 610

TREAD, C TO C-

-FRONT ----- 1600
 -REAR ----- 1600

WHEELBASE ----- 3000

GROUND CLEARANCE ----- 300

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL ----- N/A

PERFORMANCES:

MAX GRADIENT LOADED (PCT) ----- ?
 TURNING RADIUS (MM) ----- 6000
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 29
 -WATER (L/HRI) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 553
 -WATER ----- N/A

MAX SPEED (KM/HRI) LOADED -

-ROAD ----- 72
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- ?

ANGLE OF DEPARTURE (DEG) ----- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- S-42
 TYPE ----- 6 CYL, 4 STROKE
 MAX HP AT RPM ----- 85 AT 3000
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE ----- LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) 4.188

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 8.25 X 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) ----- 460
 -INFLATION SYSTEM ----- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 166
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- *1
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE ----- 5/1

TRANSFER, NR SPEEDS ----- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A

-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) ----- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) ----- ?

REMARKS:

1/ HYDRAULIC W/VACUUM ASSIST

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-6-B

NOMEN: TRUCK, CARGO, 4 TON, 4X2, STAK 21

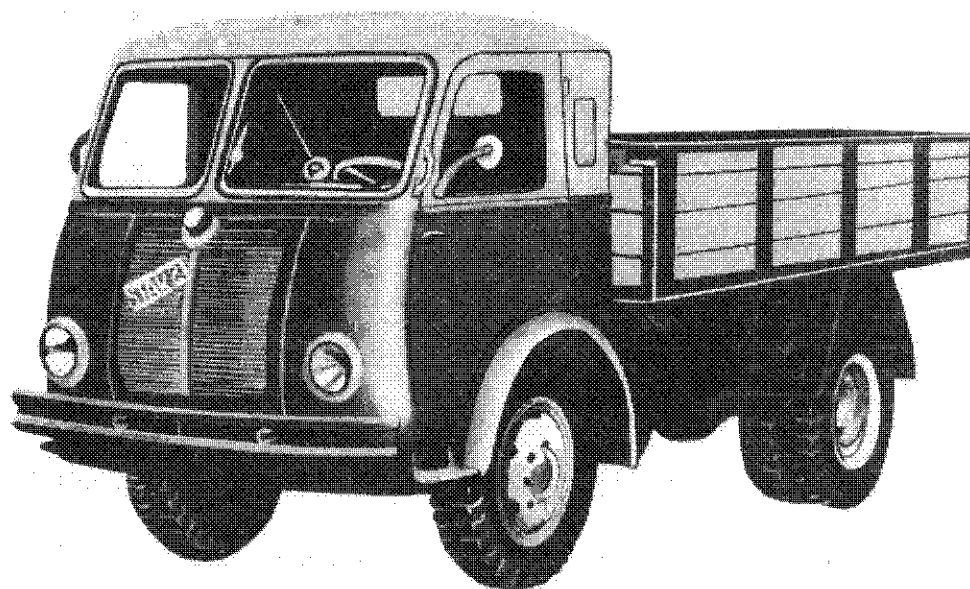
PRODUCED/ADOPTED: 1957-1958/

CATALOG: T8-381-5-22

(OLD 11-2320-4-6)

COUNTRY: POLAND

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-11-4-6-8

NOMEN: TRUCK, CARGO, 4 TON, 4X2, STAR 21

PRODUCED/ADOPTED: 1957-1958/

CATALOG: TB-381-5-22

IULD 11-2320-4-61

COUNTRY: POLAND

DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-7-A

CATALOG: T6-381-5-22

NOMEN: TRUCK, CARGO, 2 1/2 TON, 6X6, STAR 66

(OLD 11-2320-4-7)

NATIVE DES: SAMOCHOD CIEZAROWY STAR 66
PRODUCED/ADOPTED: 1961-1964/

COUNTRY: POLAND
DATE UPDATED: 07AUG73

(U)THE STAR 66 CARGO TRUCK IS PRODUCED BY THE STARACHOWICE TRUCK PLANT, STARACHOWICE, POLAND. IT IS A 3-AXLE, ALL-WHEEL-DRIVE VEHICLE DESIGNED AS A TACTICAL MILITARY TRUCK TO TRANSPORT CARGO, PERSONNEL, AND EQUIPMENT, AS WELL AS TO TOW TRAILERS AND WEAPONS. EQUIPPED WITH A WINCH AND CROSS-COUNTRY TYPE TIRES, WITH A 33 DEG ANGLE OF APPROACH AND 45DEG ANGLE OF DEPARTURE, THE STAR 66 PROBABLY IS GOOD FOR CROSS-COUNTRY TRAVEL.

(U)THE TRUCK IS POWERED BY A 6-CYLINDER, 4-CYCLE, IN-LINE, LIQUID-COOLED GASOLINE ENGINE. LEAF SPRINGS ARE MOUNTED LONGITUDINALLY, FRONT AND REAR.

(U)THE VEHICLE IS DISTINGUISHED BY THE FORWARD POSITIONING OF THE CAB WHICH SIMPLIFIES ENGINE SERVICING. THE CANVAS-TOP CAB AND FOLDDOWN WINDSHIELD REDUCE THE SILHOUETTE.

(U)THE STAR 66 (SUPERSEDED IN 1964 BY THE STAR 660 M1), UTILIZES MANY PARTS AND ASSEMBLIES OF THE STAR 25 (FOM-2320-11-4-4).

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-7-A
 NOMEN: TRUCK, CARGO, 2 1/2 TON, 6X6, STAR 66

CATALOG: TB-381-5-22
 (OLD 11-2320-4-7)
 COUNTRY: POLAND
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1961-1964/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 5700
 -PAYLOAD OFF HWY ----- 2500
 -PAYLOAD ON HWY ----- 4000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 8200
 -GROSS ON HWY ----- 9700
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 3080
 -EMPTY REAR ----- 2620
 -LOADED FRONT OFF HWY - 2870
 -LOADED REAR OFF HWY - 2665 (EA)
 -LOADED FRONT ON HWY - 3410
 -LOADED REAR ON HWY - 3145 (EA)
 PERSONNEL LOAD (NR) ----- 2 IN CAB, 14 TO REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 1590
 -ON HWY ----- 4400
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6594
 WIDTH O/ALL ----- 2400
 HEIGHT O/ALL ----- 2925
 CARGO SPACE-
 -LENGTH ----- 3775
 -WIDTH ----- 2185
 -HGT OF SIDES ----- 970
 TREAD, C TO C-
 -FRONT ----- 1804
 -REAR ----- 1804
 WHEELBASE ----- 2858
 GROUND CLEARANCE ----- 285
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL - N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 9150
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 32
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 437
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 74
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- 33 DEG
 ANGLE OF DEPARTURE (DEG) --- 45
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- S-47
 TYPE ----- 6 CYL, 4 CYCLE
 MAX HP AT RPM ----- 105 AT 3000
 MAX TORQUE (KGM) ----- 31 AT 1650
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 95
 STROKE (MM) ----- 110
 DISPLACEMENT (LITERS) 4.686

FOM NR ----- 7

GENERAL DATA:

TIRES-
 -SIZE ----- 11.00 X 20
 -PLY ----- 14
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 510
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 150
 -AUX TANK ----- 150
 BRAKES-
 -PRIMARY TYPE ----- HYD, ALL WHEELS
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- *1
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12
 WINCH-TYPE ----- MECHANICAL
 -CAPACITY (KG) ----- 6000
 -CABLE LENGTH (MM) -- 50,000

REMARKS:

1/ SEMIELLIPTIC SPRINGS, INVERTED

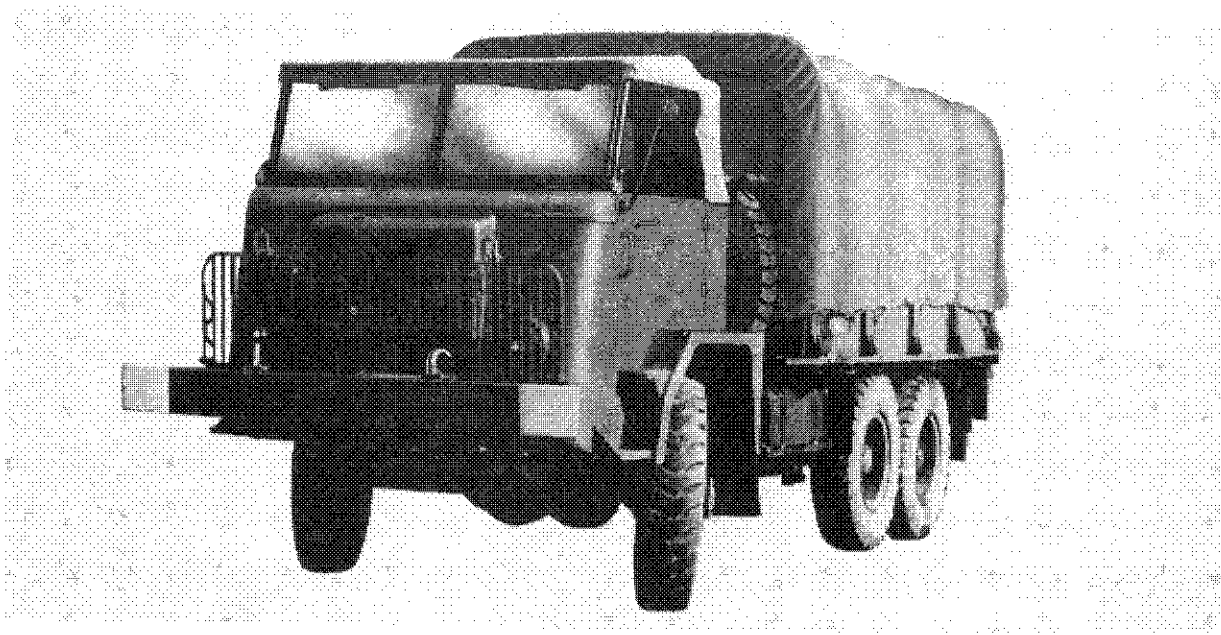
DATE CATALOGED: 01SEP66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2320-11-4-7-8
NOMEN: TRUCK, CARGO, 2 1/2 TON, 6X6, STAR 66
PRODUCED/ADOPTED: 1961-1964/

CATALOG: TB-381-5-22
(OLD 11-2320-4-7)
COUNTRY: POLAND
DATE UPDATED: 07AUG73



DATE CATALOGED: 01SEP66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-7-B

NOMEN: TRUCK, CARGO, 2 1/2 TON, 6X6, STAR 66

PRODUCED/ADOPTED: 1961-1964/

CATALOG: TB-381-5-22

10LD 11-2320-4-7)

COUNTRY: POLAND

DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2320-11-4-8-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 4 TON, 4X2, STAR 27

(OLD 11-2320-4-8)

NATIVE DES: SAMOCHOD CIEZAROWY STAR 27

COUNTRY: POLAND

PRODUCED/ADOPTED: 1960-1964/

DATE UPDATED: 06SEP73

(U)THE STAR 27 CARGO TRUCK, PRODUCED BY THE STARACHOWICE TRUCK PLANT, STARACHOWICE, POLAND, WAS AN INTERIM MODEL OF THE LONG LINE OF POLISH STAR TRUCKS THAT BEGAN WITH THE STAR 20 IN 1951. STAR 27 WAS PRODUCED FROM 1960 UNTIL 1964 AND WAS THEN REPLACED BY THE STAR 200, WHICH WENT INTO PRODUCTION IN 1965.

(U)THE STAR 27 RESEMBLES THE OLDER STAR 25 IN OUTWARD APPEARANCE, AND IT IS DIFFICULT TO DISTINGUISH ONE FROM THE OTHER. IN ADDITION TO THE NEW S-53 ENGINE, MINOR DIFFERENCES IN THE STAR 27 INCLUDE METAL SIDES ON THE CARGO BODY AND IMPROVED BRAKES. THE SUSPENSION SYSTEM AND OTHER CHARACTERISTICS REMAIN THE SAME.

DATE CATALOGED: 01MAR67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-8-A
NOMEN: TRUCK, CARGO, 4 TON, 4X2, STAR 27

CATALOG: TB-381-5-22
(OLD 11-2320-4-8)
COUNTRY: POLAND
DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1960-1964/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 3730
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 4000
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 7730
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- ?
-EMPTY REAR ----- ?
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY -- 2630
-LOADED REAR ON HWY --- 5100
PERSONNEL LOAD (NR) ----- 2 IN CAB, 14 IN REAR
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- 3500
MAX SEMITRAILER (KG)-
-GROSS -----

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5900
WIDTH O'ALL ----- 2200
HEIGHT O'ALL ----- 2500
CARGO SPACE-
-LENGTH ----- 3800
-WIDTH ----- 2100
-HGT OF SIDES ----- 600
TREAD, C TO C-
-FRONT ----- 1600
-REAR ----- 1600
WHEELBASE ----- 3000
GROUND CLEARANCE ----- 246
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
TURNING RADIUS (MM) ----- 3990
FORGING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 17
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 600
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 94
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- ?
ANGLE OF DEPARTURE (DEG) --- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- S-53
TYPE ----- 6 CYL, 4 STROKE
MAX HP AT RPM ----- 100 @ 2600
MAX TORQUE (KGM) ----- 31 AT 1400
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 100
STROKE (MM) ----- 120
DISPLACEMENT (LITERS) 5.65

FOM No. ----- ?

GENERAL DATA:

TIRES-
-SIZE ----- 8.25 X 20
-PLY ----- 10
-TYPE ----- ?
-LOADED RADIUS (MM) - 460
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 105
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- HYDRAULIC, AIR-ASSISTED.
-PARKING TYPE ----- MECHANICAL
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS
TRANSMISSION-
-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 5/1 NON-SYNCHROMECH
TRANSFER, NR SPEEDS --- N/A
LOCKING DIFFERENTIAL-
-MANUAL ----- N/A
-AUTOMATIC ----- N/A
ELEC SYSTEM (VOLTS) --- 12
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

DATE CATALOGED: 01MAR67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-8-B

NOMEN: TRUCK, CARGO, 4 TON, 4X2, STAR 27

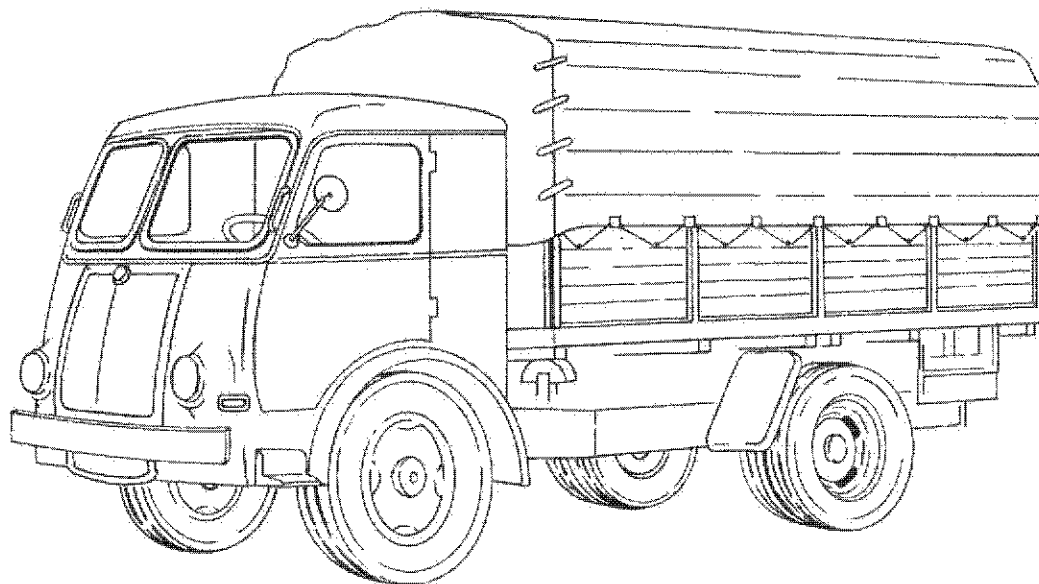
PRODUCED/ADOPTED: 1960-1964/

CATALOG: TB-381-5-22

(OLD 11-2320-4-9)

COUNTRY: POLAND

DATE UPDATED: 06SEP73



DATE CATALOGED: 01MAR67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-11-4-8-B

NDMEN: TRUCK, CARGO, 4 TON, 4X2, STAR 27

PRODUCED/ADOPTED: 1960-1964/

CATALOG: TB-381-5-22

TOLD 11-2320-4-81

COUNTRY: POLAND

DATE UPDATED: 06SEP73

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DATE CATALOGED: 01MARG7
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-9-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 2-1/2-TON, 6X6, STAR 660 M1

(OLD 11-2320-4-9)

NATIVE DES: SAMOCHOD CIEZAROWY STAR 600 M1
PRODUCED/ADOPTED: 1964-DATE/

COUNTRY: POLAND
DATE UPDATED: 07AUG73

(U)THE STAR 660 M1 CARGO TRUCK, PRODUCED BY THE STARACHOWICE TRUCK PLANT, STARACHOWICE, POLAND, IS THE FIRST MODERNIZATION OF THE STAR 66 VEHICLE SINCE IT WAS INTRODUCED IN 1961. EARLY IN 1964, IT WAS DECIDED TO INTRODUCE MANY MODIFICATIONS AND NEW COMPONENTS WHICH AFFECTED THE EXTERIOR APPEARANCE OF THE VEHICLE VERY LITTLE. THE MODEL DESIGNATION OF THE MODIFIED VEHICLE WAS CHANGED TO STAR 660 M1 IN AUGUST 1964.

(U)A NEW COMPRESSED-AIR BRAKE SYSTEM, WITH AN ADAPTATION FOR THE PNEUMATIC BRAKING OF TRAILERS, REPLACED THE ORIGINAL HYDRAULIC BRAKES. THE TIRE SIZE WAS CHANGED FROM 11.00 X 20 TO 12.00 X 18, A PNEUMATIC DIFFERENTIAL-GEAR BLOCKING SYSTEM WAS INSTALLED, AND A NUMBER OF SMALL IMPROVEMENTS WERE MADE.

(U)THE SYMBOL "M1" DENOTES THE FIRST MODERNIZATION OF THE STAR 66 VEHICLE WHICH IMPLIES THAT FURTHER MODERNIZATION WILL TAKE PLACE.

DATE CATALOGED: 01DEC66
VOLUME 22, PAGE 575

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-9-A
 NOMEN: TRUCK, CARGO, 2-1/2-TON, 6X6, STAR 660 M1

CATALOG: TB-381-5-22
 (OLD 11-2320-4-9)
 COUNTRY: POLAND
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1964-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 5700
 -PAYLOAD OFF HWY ----- 2500
 -PAYLOAD ON HWY ----- 4000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 8200
 -GROSS ON HWY ----- 9700
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 3080
 -EMPTY REAR ----- 2620
 -LOADED FRONT OFF HWY - 2870
 -LOADED REAR OFF HWY -- 5330
 -LOADED FRONT ON HWY -- 3395
 -LOADED REAR ON HWY --- 6305

PERSONNEL LOAD (NR) ----- 2 IN CAB, 14 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- 1590
 -ON HWY ----- 4400

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6527
 WIDTH O'ALL ----- 2400
 HEIGHT O'ALL ----- 2875
 CARGO SPACE-
 -LENGTH ----- 3770
 -WIDTH ----- 2185
 -HGT OF SIDES ----- 975

TREAD, C TO C-

-FRONT ----- 1860
 -REAR ----- 1885

WHEELBASE ----- 3458

GROUND CLEARANCE ----- 285

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 11,000
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 32
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 932
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 74
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- S-47
 TYPE ----- 6 CYL, 4 CYCLE
 MAX HP AT RPM ----- 105 @ 3000
 MAX TORQUE (KGM) ----- 31 AT 1650
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 X 18
 -PLY ----- 8
 -TYPE ----- SPECIAL
 -LOADED RADIUS (MM) - 505
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 150
 -AUX TANK ----- 150

BRAKES-

-PRIMARY TYPE ----- #1
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- #2

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- YES
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- MECHANICAL

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) --- 50,000

REMARKS:

- 1/ COMPRESSED-AIR BRAKE SYSTEM
- 2/ SEMIELLIPTIC SPRINGS, INVERTED

DATE CATALOGED: 01DEC66
 VOLUME 22, PAGE 576

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-9-8

NOMEN: TRUCK, CARGO, 2-1/2-TON, 6X6, STAR 660 M1

PRODUCED/ADOPTED: 1964-DATE/

CATALOG: Y8-381-5-22

(OLD 11-2320-4-9)

COUNTRY: POLAND

DATE UPDATED: 07AUG73



DATE CATALOGED: 01DEC66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-9-B

NOMEN: TRUCK, CARGO, 2-1/2-TON, 6X6, STAR 660 M1

PRODUCED/ADOPTED: 1964-DATE/

CATALOG: TB-381-5-22
(OLD 11-2320-4-9)
COUNTRY: POLAND
DATE UPDATED: 07AUG73

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DATE CATALOGED: 01DEC66
VOLUME 22, PAGE 578

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-10-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, DUMP, 2-1/2-TON, 6X6, STAR 66

(OLD 11-2320-4-10)

NATIVE DES: 7

COUNTRY: POLAND

PRODUCED/ADOPTED: 1966-DATE/

DATE UPDATED: 06SEP73

(U)DEVELOPED AS A MILITARY ENGINEER VEHICLE, THE 3-AXLE, CROSS-COUNTRY STAR 66 TRUCK IS PRODUCED AT THE STARACHOWICE TRUCK PLANT, STARACHOWICE, POLAND. LIKE THE STAR 66 CARGO TRUCK (FOM-2320-11-4-71), THE CAB-OVER-ENGINE DESIGN SIMPLIFIES ENGINE SERVICING. THE DUMP BODY CAN BE UNLOADED TO THE LEFT, RIGHT, AND REAR, REDUCING THE MANEUVERING REQUIRED TO UNLOAD.

(U)TO REDUCE THE SILHOUETTE AND TO FACILITATE LOADING THE TRUCK INTO AN AIRCRAFT, THE DRIVER'S CAB HAS A FOLDING CANVAS TOP WITH REMOVABLE SIDE CURTAINS AND FOLDDOWN WINDSHIELD. THE VEHICLE'S TWO-STAGE TRANSFER CASE PROVIDES LOW AND MEDIUM RANGES AS WELL AS A MEANS OF ENGAGING AND DISENGAGING THE FRONT-WHEEL DRIVE IN ROUGH TERRAIN.

DATE CATALOGED: 01SEP67
VOLUME 22, PAGE 579

U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-11-4-10-A

NOMEN: TRUCK, DUMP, 2-1/2-TON, 6X6, STAR 66

PRODUCED/ADOPTED: 1966-DATE/

CATALOG: TB-381-5-22

(OLD 11-2320-4-10)

COUNTRY: POLAND

DATE UPDATED: 06SEP73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 5530
 -PAYLOAD OFF HWY ----- 2500
 -PAYLOAD ON HWY ----- 4000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 8030
 -GROSS ON HWY ----- 9530
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2210
 -EMPTY REAR ----- 1660 (EA)
 -LOADED FRONT OFF HWY - 2830 ?
 -LOADED REAR OFF HWY - 2600 (EA) ?
 -LOADED FRONT ON HWY - 3210 ?
 -LOADED REAR ON HWY - 3160 (EA) ?

PERSONNEL LOAD (NR) ----- 2 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- 7
 -ON HWY ----- 3500
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6580
 WIDTH O'ALL ----- 2410
 HEIGHT O'ALL ----- 2870
 CARGO SPACE-
 -LENGTH ----- 3780
 -WIDTH ----- 2190
 -HGT OF SIDES ----- ?
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 2870
 GROUND CLEARANCE ----- 284
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL - N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 7
 TURNING RADIUS (MM) ----- 9140
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 32
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 465
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 74
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

ENGINE:

MODEL ----- S-47
 TYPE ----- 6-CYL, IN-LINE, 4 STROKE
 MAX HP AT RPM ----- MAX HP AT RPM - 105 AT 300
 MAX TORQUE (KGM) ----- MAX TORQUE AT RPM (KGM) 31
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 95
 STROKE (MM) ----- 110
 DISPLACEMENT (LITERS) 4.69

FDM NR ----- Z805-11-1-3

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 150
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- SEMELLIPTIC SPRINGS
 -REAR ----- SEMELLIPTIC SPRINGS INVE

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- ?

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

DATE CATALOGED: 01SEP67

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-10-8

NOMEN: TRUCK, DUMP, 2-1/2-TON, 6X6, STAR 66

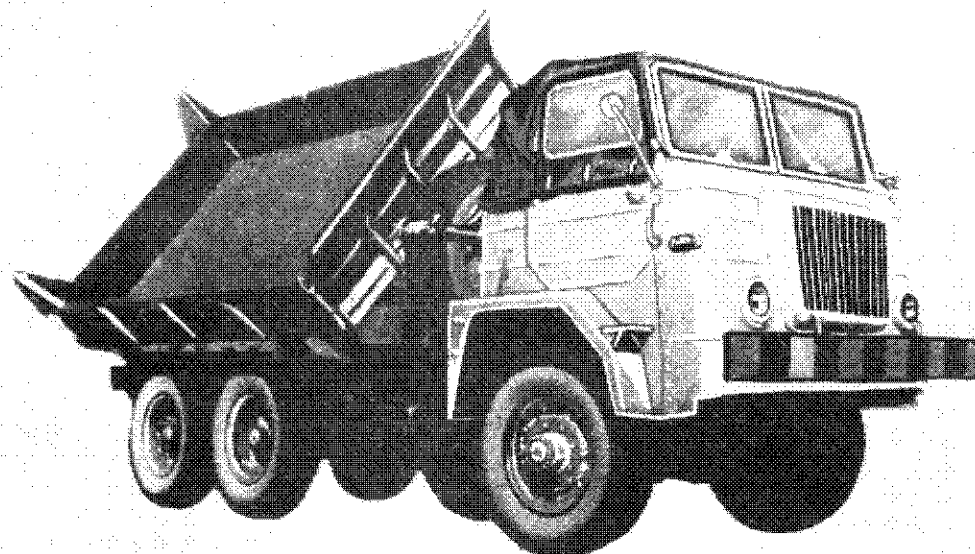
PRODUCED/ADOPTED: 1966-DATE/

CATALOG: T8-381-5-22

(OLD 11-2320-4-10)

COUNTRY: POLAND

DATE UPDATED: 06SEP73



DATE CATALOGED: 01SEP67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-11-4-10-B
NOMEN: TRUCK, DUMP, 2-1/2-TON, 6X6, STAR 66
PRODUCED/ADOPTED: 1966-DATE/

CATALOG: TB-381-5-22
(OLD: 11-2320-4-10)
COUNTRY: POLAND
DATE UPDATED: 06SEP73

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DATE CATALOGED: 01SEP67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-11-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 6-TON, 4X2, STAR 200

(OLD 11-2320-4-11)

NATIVE DES: SAMOCHOD CIOZAROWY STAR 200

COUNTRY: POLAND

PRODUCED/ADOPTED: 1970-DATE/

DATE UPDATED: 06SEP73

(U) PRODUCTION OF TWO TRANSITORY MODEL CARGO TRUCKS, THE STAR 28 (FOM-2320-11-4-14) AND THE STAR 29 (FOM-2320-11-4-15), STARTED IN 1967. APPROXIMATELY 1700 OF THESE TRUCKS WERE MANUFACTURED AS REPLACEMENTS FOR THE OLDER STAR 25 (FOM-2320-11-4-4) AND STAR 27 (FOM-2320-11-4-8). THE BEST FEATURES OF THE TWO INTERIM MODELS HAVE NOW BEEN INCORPORATED INTO A SINGLE VERSION, DESIGNATED THE STAR 200, WHICH WENT INTO SERIAL PRODUCTION EARLY IN 1970.

(U) THIS NEW TRUCK, WITH A PAYLOAD CAPACITY OF 6 TONS, IS POWERED BY A NEW 135-HORSEPOWER DIESEL ENGINE AND IS EQUIPPED WITH A SYNCHROMESH TRANSMISSION. THE NEWLY DESIGNED STEEL DRIVER'S COMPARTMENT CAN CARRY FOUR PERSONS, INCLUDING THE DRIVER. THE STAR 200 IS THE FIRST OF A NEW SERIES OF HEAVY TRUCKS, WHICH WILL INCLUDE A LONG-CHASSIS MODEL (STAR 200L), A CRANE MODEL (STAR 200Z), A 4 X 4 CROSS-COUNTRY VERSION, A DUMP TRUCK (STAR 244), A FIRE TRUCK, AND A CONCRETE-MIXER MODEL.

DATE CATALOGED: 01SEP71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-11-A
 NOMEN: TRUCK, CARGO, 6-TON, 4X2, STAR 200

CATALOG: TB-381-5-22
 (OLD 11-2320-4-11)
 COUNTRY: POLAND
 DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1970-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 6000
 -PAYLOAD OFF HWY ----- 4500
 -PAYLOAD ON HWY ----- 5500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 10,500
 -GROSS ON HWY ----- 11,500
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2850
 -EMPTY REAR ----- 3150
 -LOADED FRONT OFF HWY - 2825
 -LOADED REAR OFF HWY - 7675
 -LOADED FRONT ON HWY - 3105
 -LOADED REAR ON HWY - 8395

PERSONNEL LOAD (NR) ----- 4 CAB - 16 REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- 5250
 -ON HWY ----- 8150
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6430
 WIDTH O/ALL ----- 2380
 HEIGHT O/ALL ----- 2330
 CARGO SPACE-

-LENGTH ----- 4550
 -WIDTH ----- 2200
 -HGT OF SIDES ----- 500

TREAD, C TO C-

-FRONT ----- 1900
 -REAR ----- 1750

WHEELBASE ----- 3400

GROUND CLEARANCE ----- 245

PINTLE HEIGHT ----- 800

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 29
 TURNING RADIUS (MM) ----- 14800
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 18
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 588
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 90
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- S533
 TYPE ----- 6 CYL, 4 STROKE
 MAX HP AT RPM ----- 135 @ 2800
 MAX TORQUE (KGM) ---- 38 AT 1650
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 105
 STROKE (MM) ----- 120
 DISPLACEMENT (LITERS) 6.23

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 8.25 X 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 460
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 106
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDROVAC
 -PARKING TYPE ----- MECHANICAL ON DRIVE SHAFT

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL (SYNCHRONOUS)
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) --- ?

REMARKS:

DATE CATALOGED: 01SEP71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-11-8
NOMEN: TRUCK, CARGO, 6-TON, 4X2, STAR 200

CATALOG: TB-381-5-22
(OLD 11-2320-4-11)
COUNTRY: POLAND
DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1970-DATE?



DATE CATALOGED: 01SEP71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-11-4-11-8

NOMEN: TRUCK, CARGO, 6-TON, 4X2, STAR 200

PRODUCED/ADOPTED: 1970-DATE/

CATALOG: TB-381-5-22
(OLD 11-2320-4-11)
COUNTRY: POLAND
DATE UPDATED: 06SEP73

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DATE CATALOGED: 01SEP71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-11-4-15-A

CATALOG: T6-381-5-22

NOMEN: TRUCK, CARGO, 5 TON, 4X2, STAR 29

(OLD 11-230-4-15)

NATIVE DES: SAMOCHOD CIEZAROWY STAR 29
PRODUCED/ADOPTED: 69 TO DATE/

COUNTRY: POLAND
DATE UPDATED: 30AUG73

(U)THE STAR 29, 5-TON, 4 X 2 CARGO TRUCK, MANUFACTURED BY THE STARACHOWICE TRUCK PLANT, IS ONE OF TWO NEW TRANSITORY MODELS TO THE STAR 200 SERIES OF TRUCKS SCHEDULED TO ENTER SERIES PRODUCTION IN 1970. THESE INTERIM MODELS WILL REPLACE THE OLDER STAR 25 AND 27 CARGO TRUCKS.

(U)THE IMPROVED STYLING OF THE DRIVER'S COMPARTMENT, WITH TWO SEATS, TEMPERATURE AND ACOUSTIC ISOLATION, A REFINED HEATER AND AIR CONDITIONER, AN ARTICULATED STEERING COLUMN THAT CAN BE TILTED 30 DEGREES, AND DOORS OPENING FROM THE REAR, IS ENTIRELY NEW IN CONCEPT AND DESIGN.

DATE CATALOGED: 01JAN71
VOLUME 22, PAGE 587

U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2320-11-4-15-A
 NOMEN: TRUCK, CARGO, 5 TON, 4X2, STAR 29

CATALOG: TB-381-5-22
 (OLD 11-230-4-15)
 COUNTRY: POLAND
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 69 TO DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4100
 -PAYLOAD OFF HWY ----- 5000
 -PAYLOAD ON HWY ----- 7000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 9100
 -GROSS ON HWY ----- 11,100
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1970
 -EMPTY REAR ----- 2130
 -LOADED FRONT OFF HWY - 2450
 -LOADED REAR OFF HWY -- 6650
 -LOADED FRONT ON HWY -- 3000
 -LOADED REAR ON HWY --- 8100

PERSONNEL LOAD (NR) ----- 2 CAB 16 REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- 5250
 -ON HWY ----- 8150

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6430
 WIDTH O/ALL ----- 2320
 HEIGHT O/ALL ----- 3000
 CARGO SPACE-

-LENGTH ----- 4450
 -WIDTH ----- 2200
 -HGT OF SIDES ----- 500

TREAD, C TO C-

-FRONT ----- 1900
 -REAR ----- 1750

WHEELBASE ----- 3400

GROUND CLEARANCE ----- 245

PINTLE HEIGHT ----- 800

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 29
 TURNING RADIUS (MM) ----- 14,800

FORGING DEPTH (MM) ----- ?

FUEL CONS., LOADED -

-ROAD (L/100KM) ----- 34
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 310
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 82
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- 32

ANGLE OF DEPARTURE (DEG) --- 20

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- S-47A
 TYPE ----- 6 CYLINDER IN-LINE 4 CYCLE
 MAX HP AT RPM ----- 105 AT 3000
 MAX TORQUE (KGM) ---- 31 AT 1600
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 95
 STROKE (MM) ----- 110
 DISPLACEMENT (LITERS) 4.678

FQM NR ----- FQM-11-2805-1-2

GENERAL DATA:

TIRES-

-SIZE ----- 8.25 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 457
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 105
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- VACUUM HYDRAULIC
 -PARKING TYPE ----- #1

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- #2

TRANSMISSION-

-TYPE ----- MANUAL-SYNCHROUS
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

REMARKS:

- 1/ MECHANICAL ACTING ON PROPELLER SHAFT
- 2/ SEMIELLIPTIC LEAF SPRINGS W/OVERLOAD SPRINGS

DATE CATALOGED: 01JAN71
 VOLUME 22, PAGE 588

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-15-8

NOMEN: TRUCK, CARGO, 5 TON, 4X2, STAR 29

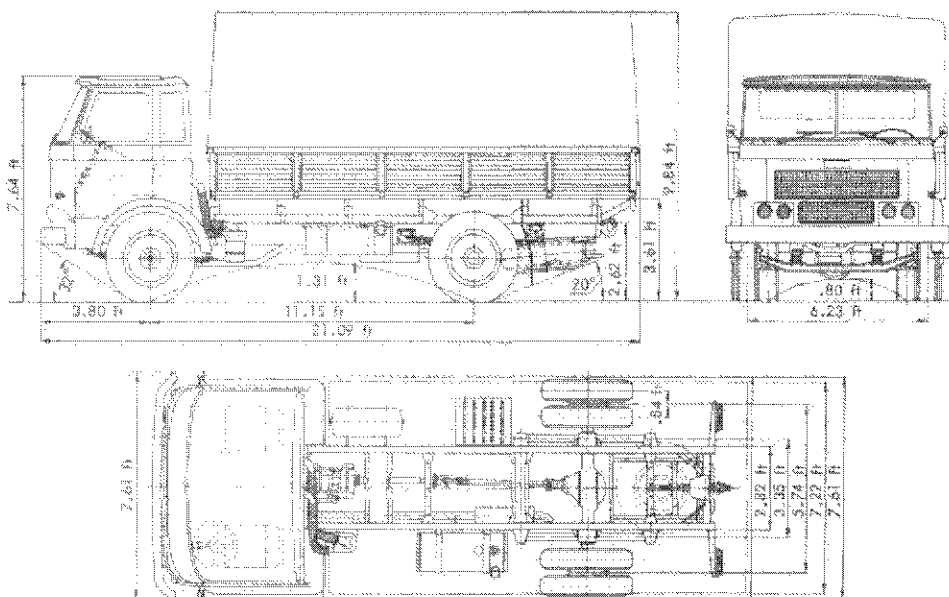
PRODUCED/ADOPTED: 69 TO DATE/

CATALOG: T8-381-5-22

(OLD 11-230-4-15)

COUNTRY: POLAND

DATE UPDATED: 30AUG73



DATE CATALOGED: 01JAN71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-15-B
NOMEN: TRUCK, CARGO, 5 TON, 4X2, STAR 29
PRODUCED/ADOPTED: 69 TO DATE/

CATALOG: TB-381-5-22
(OLD 11-230-4-15)
COUNTRY: POLAND
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01JAN71
VOLUME 22, PAGE 590

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-16-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 8-TON, 4X2, JELCZ 315

(OLD 11-2320-4-16)

NATIVE DES: SAMOCHOD CIEZAROWY JELCZ-315

COUNTRY: POLAND

PRODUCED/ADOPTED: 1968 TO DATE

DATE UPDATED: 30AUG73

THE JELCZ-315, 8-TON, 4 X 2 COE CARGO TRUCK, WHICH REPLACES THE ZUBR A-80 TRUCK (FOM-2320-11-4-5), WENT INTO PRODUCTION IN MAY 1968 AT THE JELCZ TRUCK AND BUS FACTORIES, JELCZ, POLAND. IT IS CHARACTERIZED BY A NEW 6-CYLINDER DIESEL ENGINE, PRODUCED BY THE COMMUNICATION GEAR PLANT IN NIELC, UNDER BRITISH LEYLAND LICENSE; AN IMPROVED TRANSMISSION, TWIN-CIRCUIT HYDRAULIC BRAKING SYSTEM, POWER STEERING, AND A NEWLY DESIGNED DRIVERS COMPARTMENT. SINCE 1969 THE "JELCZ" FACTORIES ARE THE SOLE PRODUCERS OF HEAVY TRUCKS IN POLAND.

DATE CATALOGED: 01MAY71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-16-A
 NOMEN: TRUCK, CARGO, 8-TON, 4X2, JELCZ 315

CATALOG: T8-381-5-22
 (OLD 11-2320-4-16)
 COUNTRY: POLAND
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1968 TO DATE

PHYSICAL DATA:

HEIGHT (KG)-

-CURB ----- 6975
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 8000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 14,975
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 4050
 -EMPTY REAR ----- 2925
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 5135
 -LOADED REAR ON HWY -- 9840

PERSONNEL LOAD (NR) ----- 2 IN CAB; 20 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 14,000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7345
 WIDTH O/ALL ----- 2500
 HEIGHT O/ALL ----- 2640

CARGO SPACE-

-LENGTH ----- 4880
 -WIDTH ----- 2290
 -HGT OF SIDES ----- 600

TREAD, C TO C-

-FRONT ----- 2086
 -REAR ----- 1800

WHEELBASE ----- 4100

GROUND CLEARANCE ----- ?

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 33
 TURNING RADIUS (MM) ----- 8500
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 27
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 560
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 85
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- SH 680/1 (LEYLAND)
 TYPE ----- 6 CYLINDER IN-LINE
 MAX HP AT RPM ----- 200 AT 2200
 MAX TORQUE (KGM) ----- 75.8 AT 1200
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 127
 STROKE (MM) ----- 146
 DISPLACEMENT (LITERS) 11.1

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 X 20
 -PLY ----- ?
 -TYPE ----- ?

-LOADED RADIUS (MM) - 510

-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 150
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- AIR, TWIN-CIRCUIT, DISC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) --- N/A

REMARKS:

DATE CATALOGED: 01MAY71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-16-B

NOMEN: TRUCK, CARGO, 8-TON, 4X2, JELCZ 315

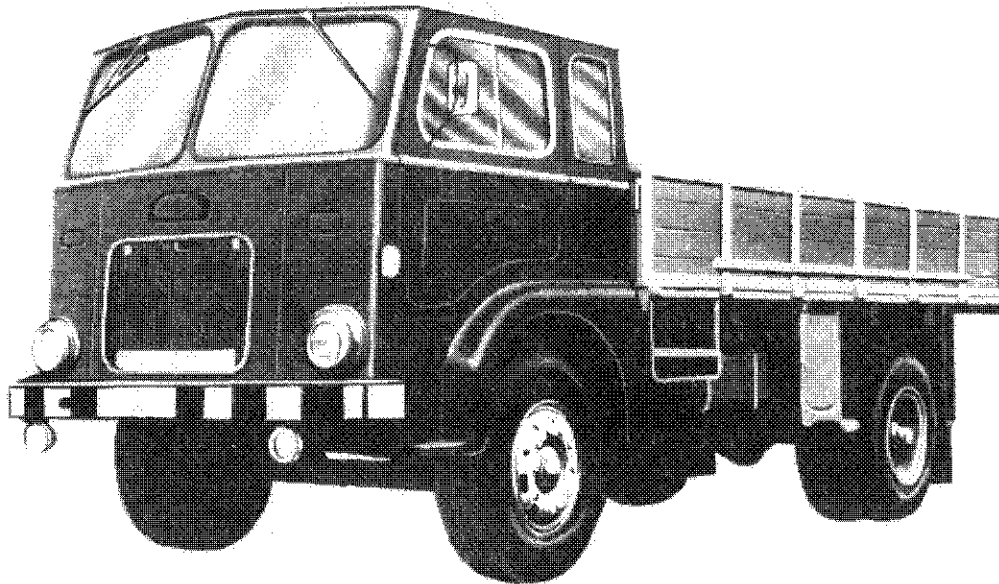
PRODUCED/ADOPTED: 1968 TO DATE

CATALOG: T8-381-5-22

(OLD 11-2320-4-16)

COUNTRY: POLAND

DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAY71
VOLUME 22, PAGE 593

U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-11-4-16-B

NOMEN: TRUCK, CARGO, 8-TON, 4X2, JELCZ 315

PRODUCED/ADOPTED: 1968 TO DATE

CATALOG: TB-381-5-22

(OLD 11-2320-4-16)

COUNTRY: POLAND

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01MAY71
VOLUME 22, PAGE 594

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-17-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, CARGO, 10 TON, 6X2, JELCZ-316

(OLD 11-2320-4-17)

NATIVE DES: SAMOCHOD CIEZAROWY JELCZ-316
PRODUCED/ADOPTED: 1970-DATE/COUNTRY: POLAND
DATE UPDATED: 06SEP73

(U)THE NEW JELCZ-316, 10-TON, 6 X 2 CARGO TRUCK, MANUFACTURED BY THE JELCZ BUS AND TRUCK FACTORY, IS AN ENLARGEMENT OF THE OLDER JELCZ-315, 8-TON, 4 X 2 CARGO TRUCK (FOM-2320-11-4-16). IT IS CHARACTERIZED BY A NEW DIESEL ENGINE PRODUCED BY THE COMMUNICATION GEAR PLANT IN MIELC, UNDER BRITISH LEYLAND LICENSE, AN IMPROVED SYNCHRONOUS TRANSMISSION, TWIN-CIRCUIT, SINGLE-LINE AIR BRAKES ON THE DRIVING WHEELS, A MECHANICALLY CONTROLLED AUXILIARY ENGINE BRAKE, AND POWER STEERING. ITS NEWLYDESIGNED CAB HAS TWO SEATS TO ACCOMMODATE THE DRIVER AND HIS ASSISTANT, TWO ADDITIONAL FOLDING SEATS IN THE BACK (TO BE USED ON SHORT HAULS), AND A FOLDING BERTH ATTACHED TO THE REAR WALL. CONSTRUCTION CHANGES ALLOW AN INCREASED CARRYING CAPACITY OF UP TO 10 TONS. SINCE ONLY 20% OF THE ROADS IN POLAND WILL SUPPORT AXLE LOADS OF 10 TONS, AND THESE ROADS DO NOT CONSTITUTE A UNITIZED SYSTEM, THE ADDITION OF A THIRD NON-MECHANICAL SUPPORTING AXLE, IN CONTACT WITH THE ROADWAY ONLY WHEN THE TRUCK IS LOADED, HELPS TO DISTRIBUTE THE LOAD OVER A GREATER AREA, THUS PREVENTING AXLE LOAD FROM REACHING 10 TONS AND ALLOWING THE TRUCK TO TRAVEL OVER ALL POLISH ROADS WITH A FULL PAYLOAD.

DATE CATALOGED: 01MAY71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-17-A
NOMEN: TRUCK, CARGO, 10 TON, 6X2, JELCZ-316

CATALOG: TB-301-5-22
(OLD 11-2320-4-17)
COUNTRY: POLAND
DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1970-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 8180
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 10,400
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 18,580
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 4750
-EMPTY REAR ----- 3430
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY - 5,000
-LOADED REAR ON HWY - *1
PERSONNEL LOAD (NR) ----- 2 CAB 26 REAR
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- 14,000
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8820
WIDTH O'ALL ----- 2500
HEIGHT O'ALL ----- 2640 WD/BOWS 3100 W/BOWS
CARGO SPACE-
-LENGTH ----- 6400
-WIDTH ----- 2300
-HGT OF SIDES ----- *2
TREAD, C TO C-
-FRONT ----- *3
-REAR ----- *3
WHEELBASE ----- *4
GROUND CLEARANCE ----- 460
PINTLE HEIGHT ----- 980
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 33
TURNING RADIUS (MM) ----- 9060
FORDING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 32
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 470
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 90
-WATER ----- N/A
ANGLE OF APPROACH (DEG) --- ?
ANGLE OF DEPARTURE (DEG) --- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- LEYLAND SW 680/1
TYPE ----- 6 CYLINDER, IN-LINE
MAX HP AT RPM ----- 200 AT 2200
MAX TORQUE (KGM) ---- 75.8 AT 1200
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 127
STROKE (MM) ----- 146
DISPLACEMENT (LITERS) 11.1

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 X 20
-PLY ----- ?
-TYPE ----- ?

-LOADED RADIUS (MM) - 510
-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 150
-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- *5
-PARKING TYPE ----- *6

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- *7

TRANSMISSION-

-TYPE ----- *8
-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
-AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12 TWO 12V BATT PARALLEL

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

REMARKS:

1/ 8380 KG ON MIDDLE AXLE; 5200 KG ON TRAILING AXLE.
2/ W/O SIDEBORDS 600 MM; W/SIDEBORDS 1370 MM.
3/ FRONT AXLE 2088 MM; REAR AXLE 1800 TRAILING AXLE 2030 MM
4/ CENTER OF FRONT AXLE TO CENTER OF REAR AXLE 4880 MM CENTER OF REAR AXLE TO CENTER OF TRAILING AXLE 1350 MM

5/ AIR, TWIN CIRCUIT, SINGLE LINE ON DRIVING WHEELS
6/ MECHANICAL ON DRIVING WHEELS
7/ SEMIELLIPTIC SPRINGS W/OVERLOAD SPRINGS.
8/ MANUAL, SYNCHROMESH ON 2 TO 5

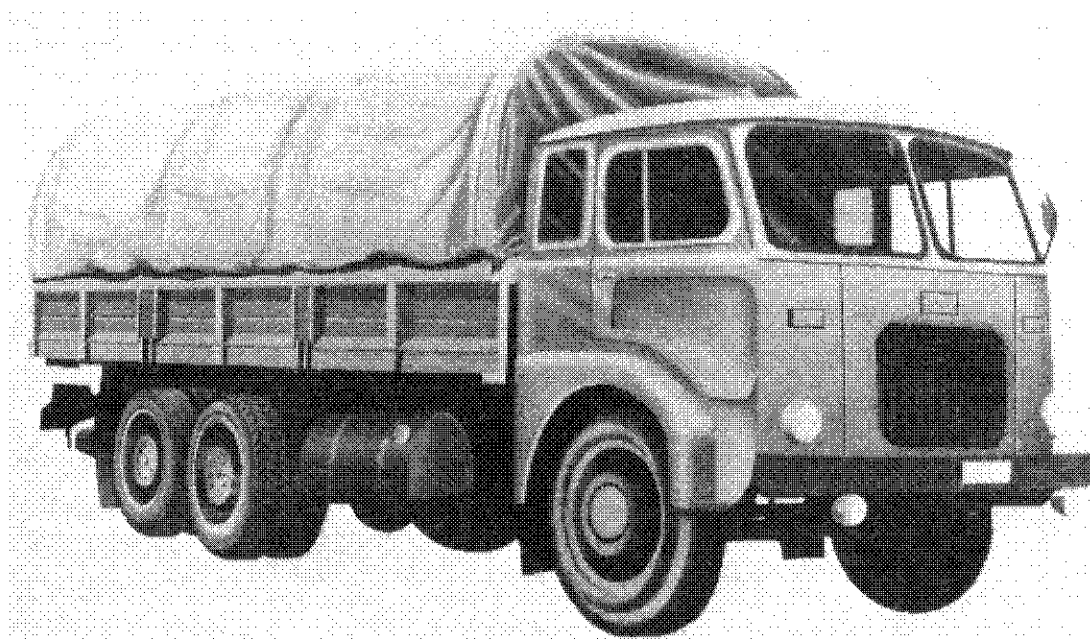
DATE CATALOGED: 01MAY71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-17-B
NOMEN: TRUCK, CARGO, 10 TON, 6X2, JELEZ-316
PRODUCED/ADOPTED: 1970-DATE/

CATALOG: TB-381-5-22
(OLD 11-2320-4-17)
COUNTRY: POLAND
DATE UPDATED: 06SEP73



DATE CATALOGED: 01MAY71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-4-17-B

NOMEN: TRUCK, CARGO, 10 TON, 6X2, JELCZ-316

PRODUCED/ADOPTED: 1970-DATE/

CATALOG: TB-381-5-22
(OLD 11-2320-4-17)
COUNTRY: POLAND
DATE UPDATED: 06SEP73

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DATE CATALOGED: 01MAY71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FXM-2320-11-6-1-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, MEDIUM MOBILE WORKSHOP, TYPE 574

(OLD 11-2320-6-11

NATIVE DES: RUCHOMY WARSZTAT NAPRAWCZY, TYP 574
PRODUCED/ADOPTED: 1969 TO DATE

COUNTRY: POLAND
DATE UPDATED: 08AUG73

(U)THE TYPE 574 MEDIUM WORKSHOP TRUCK, INTRODUCED INTO THE POLISH ARMY IN 1969, IS EQUIPPED WITH APPLIANCES AND SPECIAL TOOLS WHICH CAN BE USED FOR FIELD REPAIRS TO A WIDE RANGE OF VEHICLES. THE CHASSIS USED IS THE 6 X 6, STAR 660 MI MANUFACTURED BY THE STARACHOWICE TRUCK PLANT, STARACHOWICE, POLAND, AND THE WORKSHOP BODY BY THE J25 WORKS, JELCZ, POLAND.

(U)WORKSHOP EQUIPMENT INCLUDES A BATTERY CHARGING PLANT FOR UP TO TWELVE BATTERIES, A TEST RIG FOR DIESEL INJECTORS AND FUEL PUMPS, A VALVE FACING MACHINE, AND TWO PUMPS FOR LUBRICATION. IT HAS A WIDE RANGE OF HAND TOOLS, WELDING AND GRINDING EQUIPMENT, A SMALL PRESS, LATHE, AND AN ANVIL.

(U)FOR FIELD REPAIRS A TUBULAR "A" FRAME WITH A CAPACITY OF ONE TON CAN BE ASSEMBLED ON THE FRONT BUMPER AND USED AS A HOIST. THREE CABLES OF DIFFERENT LENGTHS PROVIDE A VARIETY OF POSITIONS FOR THE HOIST. A 1 1/2-TON WINCH, DRIVEN BY THE VEHICLE'S ENGINE, ENABLES LOADS TO BE LIFTED.

(U)DURING INCLEMENT WEATHER, A COLLAPSIBLE, FREE-STANDING TENT, FORMING PART OF THE EQUIPMENT OF THE WORKSHOP, PERMITS UNDER-ROOF MINOR SERVICE AND REPAIR AS WELL AS OFFERING ACCOMMODATION FOR THE CREW.

DATE CATALOGED: 01MAY71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-6-1-A
NOMEN: TRUCK, MEDIUM MOBILE WORKSHOP, TYPE 574

CATALOG: TB-381-5-22
(OLD 11-2320-6-1)
COUNTRY: POLAND
DATE UPDATED: 08AUG73

PRODUCED/ADOPTED: 1969 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- #1
-PAYLOAD OFF HWY ----- 450
-PAYLOAD ON HWY ----- 450
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- #2
-GROSS ON HWY ----- #3
-GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 3410
-EMPTY REAR ----- 2920 (EA)
-LOADED FRONT OFF HWY - 3435
-LOADED REAR OFF HWY -- 3045 (EA)
-LOADED FRONT ON HWY -- 3435
-LOADED REAR ON HWY --- 3045 (EA)

PERSONNEL LOAD (NR) ----- 2 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
-ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6973
WIDTH O'ALL ----- 2420
HEIGHT O'ALL ----- 3200
CARGO SPACE-

-LENGTH ----- ?
-WIDTH ----- ?
-HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- 1804
-REAR ----- 1804

WHEELBASE ----- 3458

GROUND CLEARANCE ----- 285

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) --- ?
TURNING RADIUS (MM) ----- 9200
FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 38
-WATER (L/HRI) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 768
-WATER ----- N/A

MAX SPEED (KM/HRI) LOADED -

-ROAD ----- 73
-WATER ----- N/A

ANGLE OF APPROACH (DEG) --- 33 DEG

ANGLE OF DEPARTURE (DEG) --- 30 DEG

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- S-47
TYPE ----- 6 CYL, 4 STROKE, OHV
MAX HP AT RPM ----- 105 AT 3000
MAX TORQUE (KGM) ---- 31 AT 1650
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 95
STROKE (MM) ----- 110
DISPLACEMENT (LITERS) 4.680

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 X 18
-PLY ----- 8
-TYPE ----- ?
-LOADED RADIUS (MM) - 505
-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 300
-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- VACUUM, HYDRAULIC
-PARKING TYPE ----- MECH ON PROPELLER SHAFT

SUSPENSION SYSTEM-

-FRONT ----- #4
-REAR ----- #5

TRANSMISSION-

-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- YES
-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- POWER TAKE-OFF

-CAPACITY (KG) ----- 5930
-CABLE LENGTH (MM) -- 50,000

REMARKS:

1/ 9250KG NET WEIGHT INCLUDES BOX BODY AND EQUIPMENT.

(PARTS ETC) PLUS THE NET WEIGHT
3/ 9525KG GROSS WEIGHT INCLUDES PAYLOAD (PARTS ETC) PLUS THE NET WEIGHT
4/ SEMIELLIPTIC LEAF SPRINGS ARRANGED LONGITUDINALLY
5/ INVENTED SEMIELLIPTIC LEAF SPRINGS

2/ 9525KG GROSS WEIGHT INCLUDES PAYLOAD

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-11-6-1-B

NOMEN: TRUCK, MEDIUM MOBILE WORKSHOP, TYPE 574

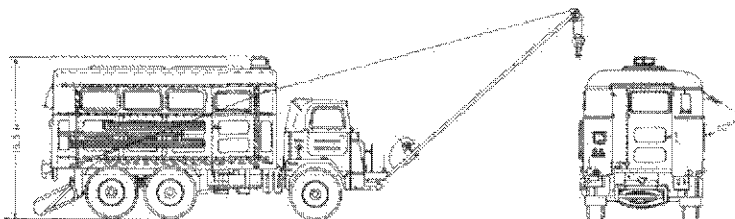
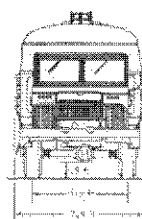
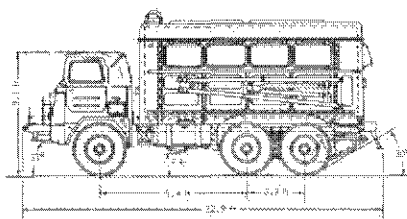
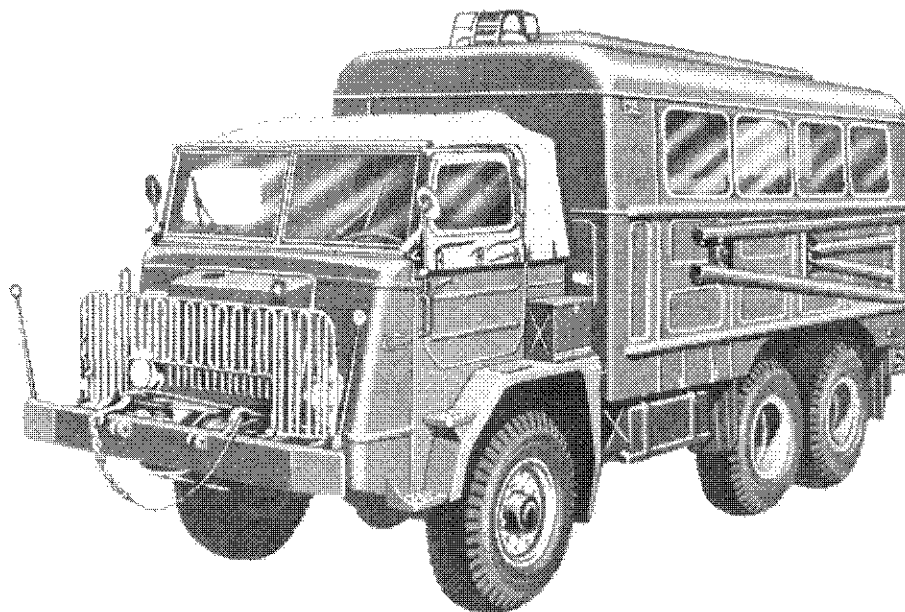
PRODUCED/ADOPTED: 1969 TO DATE

CATALOG: TB-381-5-22

(OLD 11-2320-6-1)

COUNTRY: POLAND

DATE UPDATED: 08AUG73



DATE CATALOGED: 01MAY71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-11-6-1-B

NAME: TRUCK, MEDIUM MOBILE WORKSHOP, TYPE 574

PRODUCED/ADOPTED: 1969 TO DATE

CATALOG: TB-381-5-22

ICLD 11-2323-6-11

COUNTRY: POLAND

DATE UPDATED: 08AUG73

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DATE CATALOGED: 01MAY71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-12-4-2-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 3- TON, 4X2, SR-131, CARPATI

(OLD 12-2320-4-2)

NATIVE DES: PUNTE MOTOCARE CARPATI SR-131

COUNTRY: ROMANIA

PRODUCED/ADOPTED: 1963 TO DATE

DATE UPDATED: 30AUG73

(U)MANUFACTURED BY THE STEAGUL ROSU MOTOR VEHICLE PLANT, BRASOV, ROMANIA, THE SR-131 IS THE FIRST OF A SERIES OF NEW TRUCKS PRODUCED IN ROMANIA AND REPLACES THE OLDER SR-101 MODEL, WHICH WAS A COPY OF THE SOVIET ZIL-150 CARGO TRUCK (FOM-2320-2-4-5). USED BOTH BY THE MILITARY AND IN THE CIVILIAN ECONOMY, THE SR-131 HAS MANY CHARACTERISTICS SIMILAR TO THOSE OF FORD TRUCKS IN THE UNITED STATES IN THE LATE 1930'S.

(U)THE TRUCK CHASSIS IS OF SIMPLE, RECTANGULAR-FRAME CONSTRUCTION WITH FIVE CROSSMEMBERS. THE SECOND, THIRD, AND FOURTH GEARS OF ITS FOUR-SPEED TRANSMISSION ARE SYNCHROMESH. HYDRAULIC SERVICE BRAKES ON ALL FOUR WHEELS ARE ASSISTED BY A COMPRESSEED-AIR SERVOMECHANISM.

(U)IN ADDITION TO THE SR-131 MODEL, THERE ARE FOUR OTHER MODELS IN THIS SERIES: THE SR-132, A 2-TON CARGO TRUCK (FOM-2320-12-4-3); THE SR-113, A 5-TON CARGO TRUCK (FOM-2320-12-4-4); THE SR-115, A TRACTOR TRUCK (FOM-2320-12-5-1); AND THE SR-116, A 3-TON DUMP TRUCK (FOM-2320-12-4-5).

DATE CATALOGED: 01SEP67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOH-2320-12-4-2-A
 NOMEN: TRUCK, CARGO, 3- TON, 4X2, SR-131, CARPATI

CATALOG: TB-381-5-22
 IOLD 12-2320-4-21
 COUNTRY: ROMANIA
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1963 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 2700
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 3000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 6000
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 1295
 -EMPTY REAR ----- 1405
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 1680
 -LOADED REAR ON HWY -- 4320
 PERSONNEL LOAD (NR) ----- 16
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5680
 WIDTH O/ALL ----- 2250
 HEIGHT O/ALL ----- 2100
 CARGO SPACE-
 -LENGTH ----- 3700
 -WIDTH ----- 2200
 -HGT OF SIDES ----- 700
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 3400
 GROUND CLEARANCE ----- ?
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 36
 TURNING RADIUS (MM) ----- ?
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 25
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 400
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 90
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- SR-211
 TYPE ----- V-8 OHV
 MAX HP AT RPM ----- 140 AT 3600
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 97
 STROKE (MM) ----- 85
 DISPLACEMENT (LITERS) 5

FOH NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 7.50 BY 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 443
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 100
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- ?
 -PARKING TYPE ----- ?
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MECHANICAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 12
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

DATE CATALOGED: 01SEP67
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U N C L A S S I F I E D

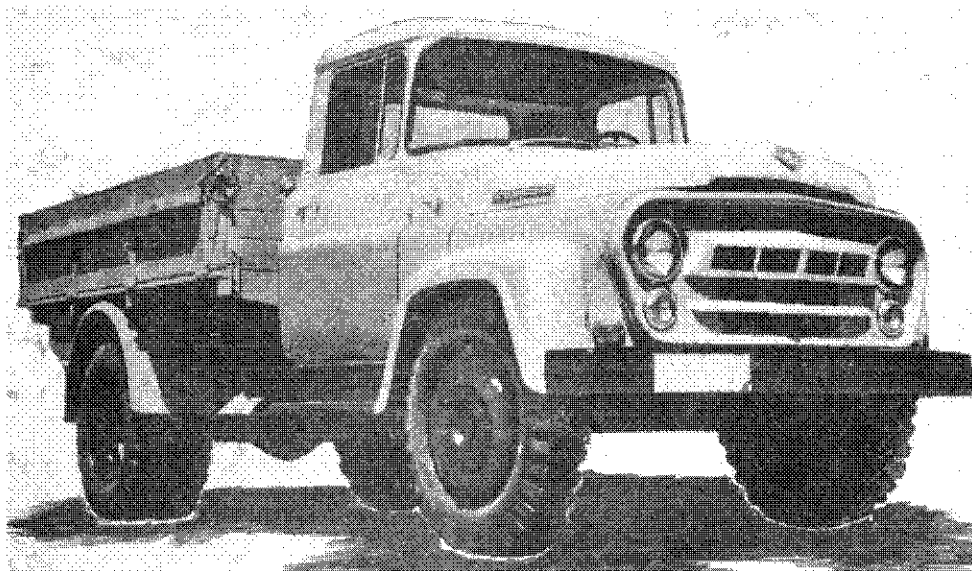
U N C L A S S I F I E D

FDM-2320-12-4-2-B

NOMEN: TRUCK, CARGO, 3- TON, 4X2, SR-131, CARPATI

PRODUCED/ADOPTED: 1963 TO DATE

CATALOG: TB-381-5-22
(OLD 12-2320-4-2)
COUNTRY: ROMANIA
DATE UPDATED: 30AUG73



DATE CATALOGED: 01SEP67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-12-4-2-B

NOMEN: TRUCK, CARGO, 3- TON, 4X2, SR-131, CARPATI

PRODUCED/ADOPTED: 1963 TO DATE

CATALOG: TB-381-5-22

(OLD 12-2320-4-2)

COUNTRY: ROMANIA

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-12-4-4-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 5-TON 4 2 SR-113 BUCEGI

(OLD 12-2320-4-4)

NATIVE DES: PUNTE MOTOCARE BUCEGI SR 113
PRODUCED/ADOPTED: 1968 TO DATE

COUNTRY: ROMANIA
DATE UPDATED: 06SEP73

(U)MANUFACTURED BY THE STEAGUL ROSU MOTOR VEHICLE PLANT, BRASOV, ROMANIA, THE SR-113 CARGO TRUCK IS THE LATEST AND LARGEST OF THE SERIES OF THREE NEW TRUCKS, THE OTHER TWO BEING THE SR-131, "CARPATI" (FOM-2320-12-4-2), AND THE SR-132, "CARPATI" (FOM-2320-12-4-3).

(U)THE TRUCK HAS AN EXTRA GEAR IN THE FORWARD POSITION, AND THE 2D, 3D, 4TH, AND 5TH GEARS ARE SYNCHROMESH. THIS TRUCK IS POWERED BY A V-8, LIQUID-COOLED, GASOLINE ENGINE, DESIGNED IN 1959 AND SERIALLY PRODUCED BY STEAGU ROSU. THE SUSPENSION SYSTEM INCLUDES LONGITUDINALLY MOUNTED, SEMI-ELLIPTIC, LAMINATED LEAF SPRINGS WITH DOUBLE-ACTION, HYDRAULIC, TELESCOPIC SHOCK ABSORBERS IN FRONT AND OVERLOAD SPRINGS IN THE REAR. SERVICE BRAKES ON ALL FOUR WHEELS ARE HYDRAULIC, AUGMENTED BY A COMPRESSED-AIR SERVOMECHANISM.

(U)THE NEW SERIES OF THREE TRUCKS WILL PROBABLY BECOME THE STANDARD LIGHT AND MEDIUM VEHICLES FOR THE ROMANIAN ARMY. THE SR-113 IS EXPECTED TO REPLACE THE SOVIET ZIL-150 TRUCKS (FOM-2320-2-4-5) NOW IN SERVICE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-12-4-4-A
 NOMEN: TRUCK, CARGO, 5-TON 4 2 SR-113 BUGEI

CATALOG: TB-381-5-22
 (OLD 12-2320-4-4)
 COUNTRY: ROMANIA
 DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1968 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 3600
 -PAYLOAD OFF HWY ----- 7
 -PAYLOAD ON HWY ----- 5000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 7
 -GROSS ON HWY ----- 8600
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 1730
 -EMPTY REAR ----- 1810
 -LOADED FRONT OFF HWY - 7
 -LOADED REAR OFF HWY -
 -LOADED FRONT ON HWY - 2410
 -LOADED REAR ON HWY - 6190
 PERSONNEL LOAD (NR) - 16
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 7
 -ON HWY ----- 6000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5780
 WIDTH O/ALL ----- 2263
 HEIGHT O/ALL ----- 2100
 CARGO SPACE-
 -LENGTH ----- 3700
 -WIDTH ----- 2200
 -HGT OF SIDES ----- 700
 TREAD, C TO C-
 -FRONT ----- 7
 -REAR ----- 7
 WHEELBASE ----- 3400
 GROUND CLEARANCE ----- 260
 PINTLE HEIGHT ----- 7
 HGT TO C OF 5TH WHL - N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 36
 TURNING RADIUS (MM) ----- 8000
 FORDING DEPTH (MM) ----- 7
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 29
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 690
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 90
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- 7
 ANGLE OF DEPARTURE (DEG) --- 7
 VERTICAL OBSTACLE (MM) ----- 7
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- SR-211
 TYPE ----- V8 OHV
 MAX HP AT RPM ----- 140 AT 3600
 MAX TORQUE (KGM) ----- 7
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 97
 STROKE (MM) ----- 85
 DISPLACEMENT (LITERS) 5
 FOM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 7.50 BY 20
 -PLY ----- 7
 -TYPE ----- 7
 -LOADED RADIUS (MM) - 443
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 100
 -AUX TANK ----- 100
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- 7
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 7
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12
 WINCH-TYPE ----- 7
 -CAPACITY (KG) ----- 7
 -CABLE LENGTH (MM) -- 7

PUMP:

HOSES:

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-12-4-4-B

NOMEN: TRUCK, CARGO, 5-TON 4 2 SR-113 8UCGI

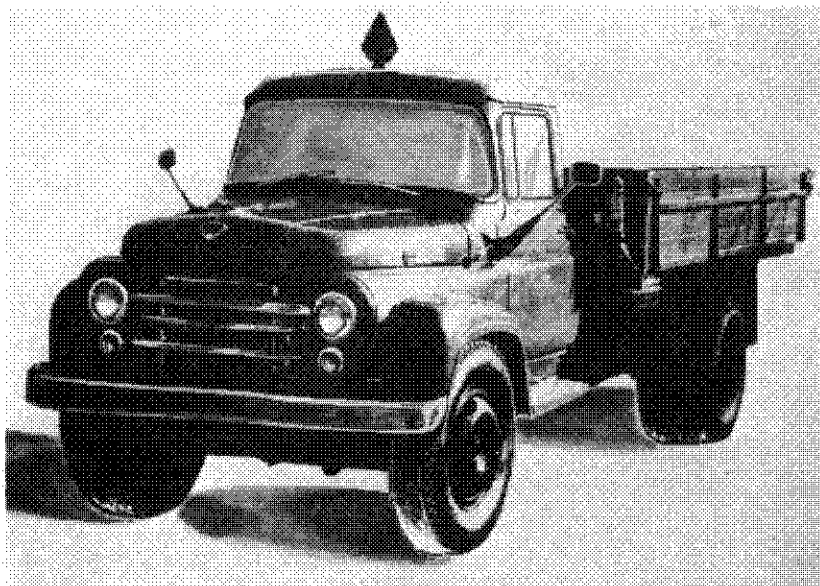
PRODUCED/ADOPTED: 1968 TO DATE

CATALOG: T6-381-5-22

(OLD 12-2320-4-4)

COUNTRY: ROMANIA

DATE UPDATED: 06SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-12-4-4-B

NOMEN: TRUCK, CARGO, 5-TON 4 2 SR-113 BUCEGI

PRODUCED/ADOPTED: 1968 TO DATE

CATALOG: TB-381-5-22
(OLD 12-2320-4-4)
COUNTRY: ROMANIA
DATE UPDATED: 06SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-12-4-6-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, UTILITY, 1/2-TON 4X4, M-461

(OLD 12-2320-4-6)

NATIVE DES: UZITKOBYCH AVTOMOBILU M-461

COUNTRY: ROMANIA

PRODUCED/ADOPTED: 1968 TO DATE

DATE UPDATED: 08AUG73

(U)THE M-461, A FOUR-WHEEL-DRIVE UTILITY TRUCK, WENT INTO PRODUCTION AT THE CIMPULUNG MOTOR VEHICLE PLANT, CIMPULUNG, ROMANIA, IN MARCH 1968. IT IS POWERED BY AN R-207A 4-CYLINDER GASOLINE ENGINE OF ROMANIAN MANUFACTURE. A LIGHT CARGO AND PERSONNEL CARRIER, IT HAS A METAL BODY AND A REMOVABLE WATERPROOF CANVAS TOP. IN ADDITION TO ITS TWO FRONT SEATS, IT HAS TWO LATERAL BENCHES IN THE REAR, WHICH CAN BE FOLDED BACK TO PROVIDE CARGO SPACE. THIS VEHICLE, WITH ITS FOUR-WHEEL DRIVE, IS WELL-SUITED FOR OFF-ROAD OPERATION.

(U)EXCEPT FOR MINOR DIFFERENCES, THE M-461 IS IDENTICAL TO THE SOVIET GAZ(UAZ)-69 (FGM-2320-2-4-31) IN OUTWARD APPEARANCE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-12-4-6-A
 NOMEN: TRUCK, UTILITY, 1/2-TON 4X4, M-461

CATALOG: TB-381-5-22
 (OLD 12-2320-4-6)
 COUNTRY: ROMANIA
 DATE UPDATED: 08AUG73

PRODUCED/ADOPTED: 1968 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 1550
 -PAYLOAD OFF HWY ----- 500
 -PAYLOAD ON HWY ----- 650
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 2050
 -GROSS ON HWY ----- 2200
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 870
 -EMPTY REAR ----- 680
 -LOADED FRONT OFF HWY -- 880
 -LOADED REAR OFF HWY -- 1170
 -LOADED FRONT ON HWY -- 1010
 -LOADED REAR ON HWY -- 1190
 PERSONNEL LOAD (NR) ----- 8
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 610
 -ON HWY ----- 800
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 3854
 WIDTH O'ALL ----- 1850
 HEIGHT O'ALL ----- 2050
 CARGO SPACE-
 -LENGTH ----- 1317
 -WIDTH ----- 1341
 -HGT OF SIDES ----- 488
 TREAD, C TO C-
 -FRONT ----- 1440
 -REAR ----- 1440
 WHEELBASE ----- 2301
 GROUND CLEARANCE ----- 211
 PINTLE HEIGHT ----- 609.6
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 62
 TURNING RADIUS (MM) ----- 6492
 FORGING DEPTH (MM) ----- 500
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 14.5
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 479
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 100
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ MECHANICAL ON TRANSFER CASE

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U N C L A S S I F I E D

ENGINE:

MODEL ----- R-207A
 TYPE ----- 4 CYL, 4 CYCLE
 MAX HP AT RPM ----- 70 AT 3800
 MAX TORQUE (KGM) ----- 16.55 AT 2700
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 97
 STROKE (MM) ----- 85
 DISPLACEMENT (LITERS) 2.512

FOM NR ----- ?

GENERAL DATA:

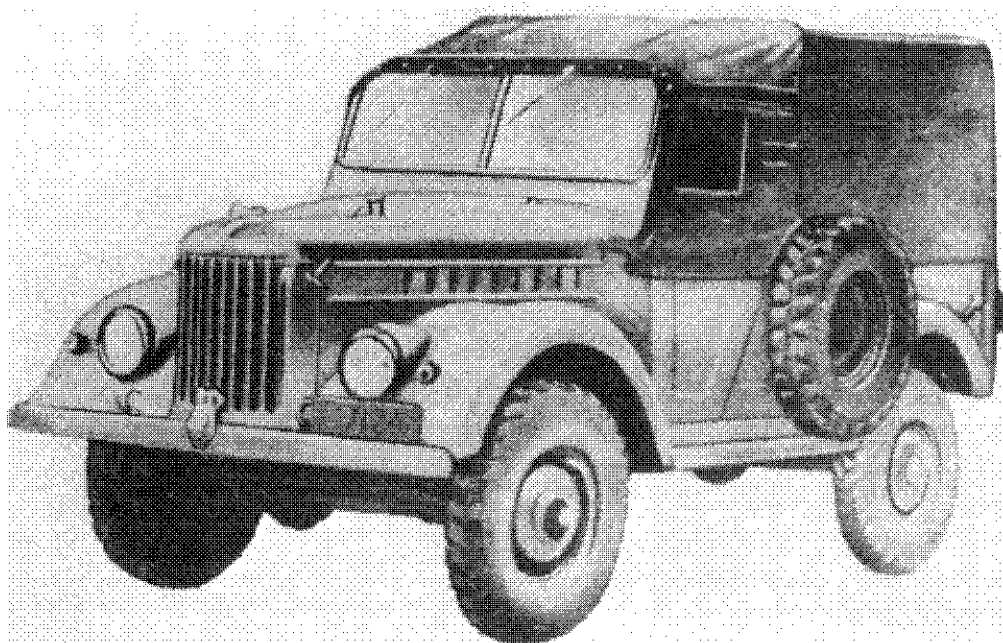
TIRES-
 -SIZE ----- 650 BY 16 M & S
 -PLY ----- 6
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 375
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 70
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC ALL WHEELS
 -PARKING TYPE ----- *1
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPITIC SPRINGS
 -REAR ----- SEMIELLIPITIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 12
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

U N C L A S S I F I E D

FOM-2320-12-4-6-B
NOMEN: TRUCK, UTILITY, 1/2-TON 4X4, M-461

CATALOG: T8-381-5-22
(OLD 12-2320-4-6)
COUNTRY: ROMANIA
DATE UPDATED: 08AUG73

PRODUCED/ADOPTED: 1968 TO DATE



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-12-4-6-B

NOMEN: TRUCK, UTILITY, 1/2-TON 4X4, M-461

PRODUCED/ADOPTED: 1968 TO DATE

CATALOG: TB-381-S-22

(OLD 12-2320-4-6)

COUNTRY: ROMANIA

DATE UPDATED: 08AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-13-4-1-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, CARGO, 3-TON 4 X 4 SISU KB-45 SV/3400

(OLD 13-2320-4-1)

NATIVE DES: SISU-TUOTANNON UUTUUS KB-45
PRODUCED/ADOPTED: 1965 TO DATE

COUNTRY: FINLAND
DATE UPDATED: 30AUG73

(U)THE SISU KB-45 SV/3400, A 3 TON CROSS-COUNTRY CARGO TRUCK AND PRIME MOVER MANUFACTURED BY CY SUO-MEN AUTOTEOLLISUUS AB, HELSINKI, FINLAND, WHICH CAN ALSO TOW A 4-TON TRAILER. THE ADDITION OF A HYDRAULIC PUMP AND AIR-PRESSURE-BRAKE SYSTEM CONVERTS THE TRUCK INTO A PRIME MOVER FOR A TRAILED LOAD WHICH IS FITTED WITH SISU HYDRAULIC WHEEL-HUB MOTORS AND IS EQUIPPED WITH INTEGRAL HYDRAULIC BRAKES. THE FINNISH ARMY USES THE TRUCK AS A PRIME MOVER FOR THE 122-MM FIELD GUN K60-T (FOM-1010-13-1-122-1).

(U)A NEW, 6-CYLINDER, 145-HORSEPOWER DIESEL ENGINE, DEVELOPED BY VALMET'S LINNAVUORI FACTORY IN FINLAND IS SCHEDULED TO REPLACE THE LEYLAND ENGINE USED IN THE SISU, WHICH THEN WILL BECOME THE FIRST MILITARY TRUCK COMPLETELY PRODUCED IN FINLAND.

(U)THIS VEHICLE'S UNUSUAL WEIGHT DISTRIBUTION HAS BEEN ACHIEVED BY PLACING THE ENGINE AND OTHER HEAVY EQUIPMENT BEHIND THE CAB.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-13-4-1-A
 NOMEN: TRUCK, CARGO, 3-TON 4 X 4 SISU KB-45 SV/3400

CATALOG: TB-381-5-22
 (OLD 13-2320-4-1)
 COUNTRY: FINLAND
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1965 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 4900
 -PAYLOAD OFF HWY ----- 2500
 -PAYLOAD ON HWY ----- 3500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 7430
 -GROSS ON HWY ----- 8400
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 2650
 -EMPTY REAR ----- 2250
 -LOADED FRONT OFF HWY -- 3770
 -LOADED REAR OFF HWY -- 7430
 -LOADED FRONT ON HWY -- 4100
 -LOADED REAR ON HWY -- 4300
 PERSONNEL LOAD (NR) ----- 19 (3 IN CAB)
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- *1
 -ON HWY ----- 12000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5700
 WIDTH O/ALL ----- 2300
 HEIGHT O/ALL ----- 2440
 CARGO SPACE-
 -LENGTH ----- 4280
 -WIDTH ----- 2160
 -HGT OF SIDES ----- 460
 TREAD, C TO C-
 -FRONT ----- 1850
 -REAR ----- 1850
 WHEELBASE ----- 3400
 GROUND CLEARANCE ----- 320
 PINTLE HEIGHT ----- 630
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 8200
 FORDING DEPTH (MM) ----- 610
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 22
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 1000
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 88
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 38
 ANGLE OF DEPARTURE (DEG) --- 38
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- LEYLAND 040
 TYPE ----- 6 CYLINDER
 MAX HP AT RPM ----- 135 AT 2400 (SAE)
 MAX TORQUE (KGM) ----- 45 AT 1600 (SAE)
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?
 FOM NR ----- 2

GENERAL DATA:

TIRES-
 -SIZE ----- 14.5 BY 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 220
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDROPNEUMATIC
 -PARKING TYPE ----- ?
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL SYNCHROMECH
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- YES ?
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24
 WINCH-TYPE ----- YES
 -CAPACITY (KG) ----- 5900
 -CABLE LENGTH (MM) -- 60000

PUMP:

HOSES:

REMARKS:

1/ 4000 KG TRAILER WITH SISU
 MOTORS, 2000 KG FOR NON-DRIVING TRAILERS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-13-4-1-8

NOMEN: TRUCK, CARGO, 3-TON 4 X 4 SISU KB-45 SV/3400

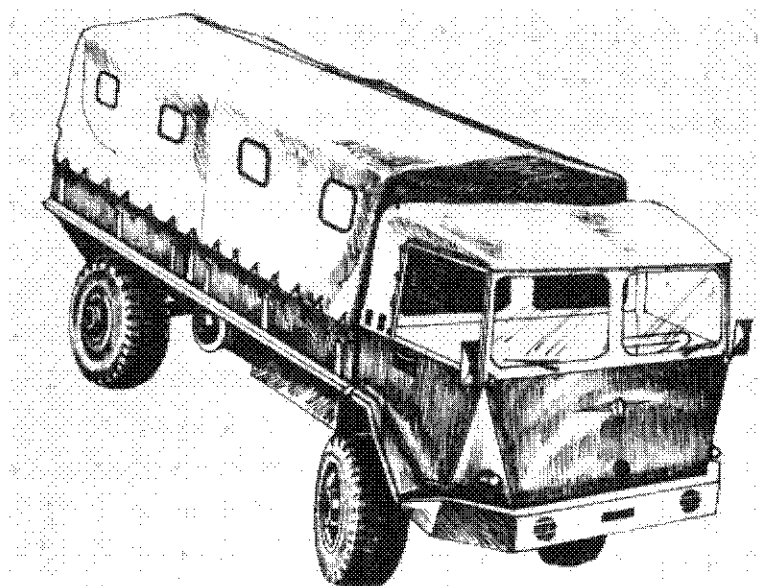
PRODUCED/ADOPTED: 1965 TO DATE

CATALOG: TB-381-5-22

(OLD 13-2320-4-1)

COUNTRY: FINLAND

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-13-4-1-B

NOMEN: TRUCK, CARGO, 3-TON 4 X 4 SISU KB-45 SV/3400

PRODUCED/ADOPTED: 1965 TO DATE

CATALOG: TB-381-5-22

(OLD 13-2320-4-1)

COUNTRY: FINLAND

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-14-4-1-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, UTILITY, 1/2-TON, 4X4, ZASTAVA KAMPAGNOLA, AR-51

(OLD 14-2320-4-1)

NATIVE DES: ZASTAVA KAMPAGNOLA AR-51

COUNTRY: YUGOSLAVIA

PRODUCED/ADOPTED: 1959 TO DATE

DATE UPDATED: 30AUG73

(U)THE ZASTAVA KAMPAGNOLA, AR-51, IS PRODUCED UNDER LICENSE FROM FIAT OF ITALY BY CRVENA ZASTAVA OF KRAGULEVAC, YUGOSLAVIA. IT IS SIMILAR IN APPEARANCE AND CHARACTERISTICS TO THE STANDARD U.S. JEEP. LIKE ITS COUNTERPART, IT IS A 1/2-TON, 4 X 4, ALL-PURPOSE UTILITY VEHICLE. THE CARGO AND PASSENGER COMPARTMENT IS READILY ACCESSIBLE BY MEANS OF A DROP TAILGATE. ALTHOUGH INITIALLY ASSEMBLED FROM IMPORTED PARTS AND ASSEMBLIES, THE INDIGENOUS PRODUCTION CAPABILITY IS INCREASING SLOWLY.

(U)THE TRUCK IS POWERED BY A CONVENTIONAL 4-CYLINDER, IN-LINE, WATER-COOLED ENGINE. A FRONT-WHEEL DRIVE ENGAGEMENT MECHANISM IS INCORPORATED IN THE TRANSFER CASE. FRONT SUSPENSION CONSISTS OF INDEPENDENT WHEELS WITH SWINGING ARMS, COILSPRINGS AND OIL-BATH TYPE SHOCK ABSORBERS, FULLY ENCLOSED IN A VERTICAL CASING FIXED TO THE FRAME. A TRAVERSE STABILIZING BAR, CONNECTED TO THE LOWER SWINGING AREA, AND RUBBER BUFFERS COMPLETE THE SYSTEM.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-14-4-1-A

NOMEN: TRUCK, UTILITY, 1/2-TON, 4X4, ZASTAVA KAMPAGNOLA, AR-51

PRODUCED/ADOPTED: 1959 TO DATE

CATALOG: TB-381-5-22
 (OLD 14-2320-4-1)
 COUNTRY: YUGOSLAVIA
 DATE UPDATED: 30AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 1352
 -PAYLOAD OFF HWY ----- 484
 -PAYLOAD ON HWY ----- 484
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 1836
 -GROSS ON HWY ----- 1836
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 730
 -EMPTY REAR ----- 622
 -LOADED FRONT OFF HWY -- 826
 -LOADED REAR OFF HWY -- 1010
 -LOADED FRONT ON HWY -- 826
 -LOADED REAR ON HWY -- 1010

PERSONNEL LOAD (NR) ----- 6

MAX TOWED LOAD (KG)-

-OFF HWY ----- 499
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 3596
 WIDTH O/ALL ----- 1570
 HEIGHT O/ALL ----- 1749
 CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1254
 -REAR ----- 1260

WHEELBASE ----- 2250

GROUND CLEARANCE ----- 207

PINTLE HEIGHT ----- 274

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60
 TURNING RADIUS (MM) ----- 5500
 FORDING DEPTH (MM) ----- 600

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 27.6
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 450
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 116
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- ?

ANGLE OF DEPARTURE (DEG) --- 35 DEG

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) 2

ENGINE:

MODEL ----- 1058.007 FIAT
 TYPE ----- 4 CYL, IN-LINE
 MAX HP AT RPM ----- 63 AT 4000
 MAX TORQUE (KGM) ----- 12.5 AT 2800
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 82
 STROKE (MM) ----- 90
 DISPLACEMENT (LITERS) 1.901

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 6.40 BY 16
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 58
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- INDEPENDENT, COIL SPRING
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- YES
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

REMARKS:

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U N C L A S S I F I E D

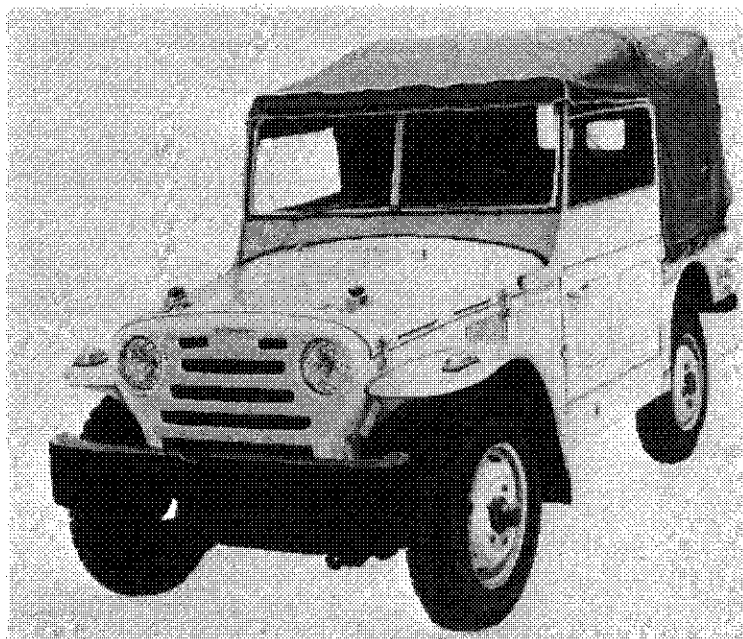
U N C L A S S I F I E D

FOM-2320-14-4-1-B

NOMEN: TRUCK, UTILITY, 1/2-TON, 4X4, ZASTAVA KAMPAGNOLA, AR-51

PRODUCED/ADOPTED: 1959 TO DATE

CATALOG: TR-381-5-22
(OLD 14-2320-4-1)
COUNTRY: YUGOSLAVIA
DATE UPDATED: 30AUG73



DATE CATALOGED: 01JUN68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-14-4-1-B

NOMEN: TRUCK, UTILITY, 1/2-TON, 4X4, ZASTAVA KAMPAGNOLA, AR-51

PRODUCED/ADOPTED: 1959 TO DATE

CATALOG: TB-381-S-22

(OLD 14-2320-4-1)

COUNTRY: YUGOSLAVIA

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-1-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 1-1/2-TON, 4X4, L 28

(OLD 16-2320-4-1)

NATIVE DES: GELANDEGANGIGER LASTKRAFTWAGEN, 1.5 TONNER, 4X4, L28
PRODUCED/ADOPTED: 1956 TO 77COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

(U)PRODUCED BY HANDMAG A.G., HANOVER, WEST GERMANY, THE LIGHT ALL-PURPOSE 4 X 4 L 28 CARGO TRUCK WAS DESIGNED TO TRANSPORT MILITARY PERSONNEL AND CARGO. IT HAS AN OPEN FLAT-BED WOODEN BODY WITH THREE REMOVABLE SIDEBORDS AND A DROP TAILGATE. AN OBSERVER'S OR COMMANDER'S CUPOLA, PROVIDED IN THE ROOF OF THE METAL CAB, CAN BE EQUIPPED WITH A MACHINEGUN RINGMOUNT, IF REQUIRED. A REMOVABLE CANVAS COVER WITH TWO WINDOWS IN EACH SIDE PROVIDES ALL-WEATHER PROTECTION FOR THE CARGO AREA.

(U)THE CHASSIS IS MOUNTED ON FOUR SEMIELLIPTIC, LAMINATED LEAF SPRINGS SUPPLEMENTED BY FOUR DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS. HOTCHKISS DRIVE IS USED. A 2-SPEED TRANSFER CASE AND A 4-SPEED MANUAL TRANSMISSION MEET VARYING DRIVING REQUIREMENTS.

(U)THE VEHICLE COMES EQUIPPED WITH A STANDARD 4-CYLINDER, 70-HORSEPOWER DIESEL ENGINE, AND WITH A CONVERSION KIT TO PERMIT THE USE OF GASOLINE, IF NECESSARY. THE LOW FUEL CONSUMPTION OF THE DIESEL ENGINE PROVIDES A SATISFACTORY CRUISING RANGE WITHOUT CARRYING A LARGE FUEL RESERVE.

(U)THIS VEHICLE IS IN CURRENT USE BY THE WEST GERMAN BUNDESWEHR.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-1-A
 NOMEN: TRUCK, CARGO, 1-1/2-TON, 4X4, L 28

CATALOG: TB-381-5-22
 (OLD 16-2320-4-1)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1956 TO ?/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 2353
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 1787
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 4140
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY -- ?

PERSONNEL LOAD (NR) ----- 14

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5456
 WIDTH O'ALL ----- 2164
 HEIGHT O'ALL ----- 2256

CARGO SPACE-

-LENGTH ----- 2987
 -WIDTH ----- 1981
 -HGT OF SIDES ----- 610

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 3404

GROUND CLEARANCE ----- 259

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 50

TURNING RADIUS (MM) ----- 7498

FORDING DEPTH (MM) ----- 610

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 15.2
 -WATER (L/HRI) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 775
 -WATER ----- N/A

MAX SPEED (KM/HRI) LOADED -

-ROAD ----- 74
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- V28 ALA
 TYPE ----- 4 CYL, 4 STROKE
 MAX HP AT RPM ----- 71 AT 2800
 MAX TORQUE (KGM) ---- 20 AT 1800
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 90
 STROKE (MM) ----- 110
 DISPLACEMENT (LITERS) 2.799

FOM NR ----- 2815-16-1-1

GENERAL DATA:

TIRES-

-SIZE ----- 7.50 BY 20
 -PLY ----- 8
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 443
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 72
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

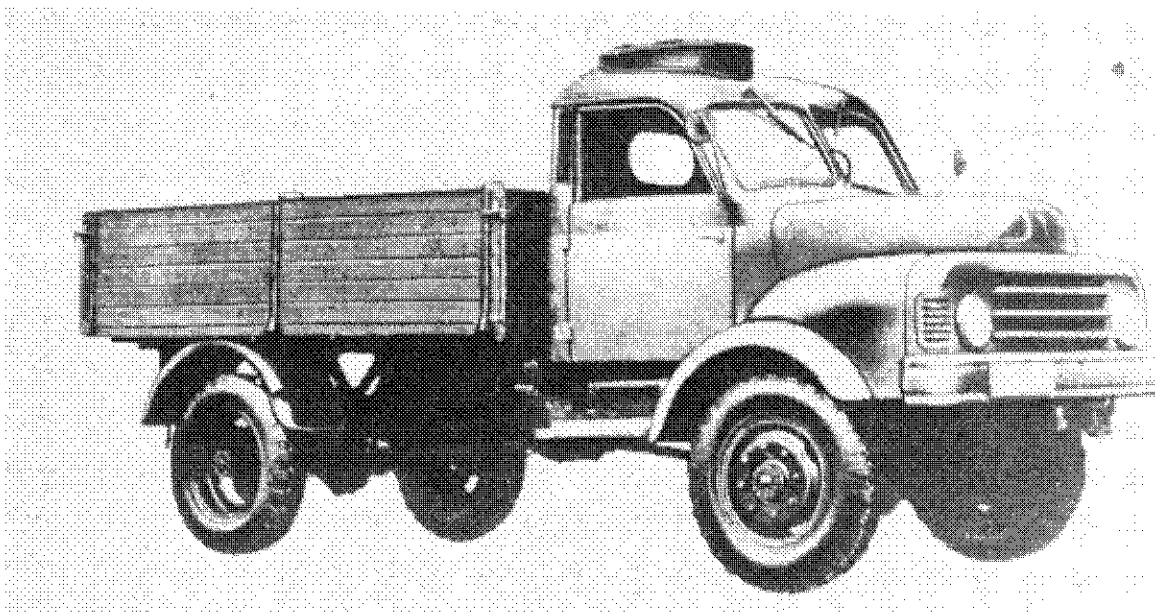
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-1-B
NOMEN: TRUCK, CARGO, 1-1/2-TON, 4X4, L 28
PRODUCED/ADOPTED: 1956 TO ?/

CATALOG: TB-381-5-22
{OLD 16-2320-4-1}
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-16-4-1-B

NOMEN: TRUCK, CARGO, 1-1/2-TON, 4X4, L 28

PRODUCED/ADOPTED: 1956 TO ?/

CATALOG: TB-381-5-22

(OLD 16-2320-4-1)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-16-4-2-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 1-TON, 4X4 BLITZ-128

(DLO 16-2320-4-2)

NATIVE DES: GELANDEGANGIGER LASTKRAFTWAGEN 1-TONNER, 4X4, BLITZ-128
PRODUCED/ADOPTED: 1957 TO ??COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

(U)THE BLITZ-128, MANUFACTURED BY ADAM OPEL A.G., RUSSELSHEIM AM MAIN, WEST GERMANY, IS A LIGHT 4X4 CARGO TRUCK. IN ADDITION TO ITS NORMAL ROLE AS A CARGO CARRIER, IT CAN EASILY SERVE AS A PERSONNEL CARRIER. WIDELY USED BOTH BY THE WEST GERMAN BUNDESWEHR AND BY THE FRONTIER GUARD AS AN ADMINISTRATIVE VEHICLE, IT IS ALSO COMMONLY USED IN THE CIVILIAN ECONOMY.

(U)THE CAB SEATS TWO, WHILE BOXES EXTENDING THE LENGTH OF BOTH SIDES OF THE CARGO BODY SERVE AS STORAGE SPACE FOR TOOLS OR OTHER EQUIPMENT AND PROVIDE SEATING FOR 12 TROOPS. THE CARGO BODY, EQUIPPED WITH A DROP REAR GATE, IS RAISED OFF THE CHASSIS TO PROVIDE FOR DEEP FORDING. A FOLDING REAR "JUMP" SEAT FOR AN ADDITIONAL PASSENGER SERVES AS A STEPBOARD WHEN THE GATE IS DOWN, FACILITATING LOADING AND UNLOADING. A REMOVABLE CANVAS TOP OVER THE CARGO AREA IS SUPPORTED BY FOUR DETACHABLE BOWS.

(U)THE TIRES ARE OF THE WIDE-PROFILE, LOW-PRESSURE TYPE. DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS HELP TO ABSORB SHOCK AT ALL WHEELS. THE VEHICLE HAS HOTCHKISS DRIVE, A 4-SPEED MANUAL TRANSMISSION, AND A 2-SPEED TRANSFER CASE, AND IS POWERED BY A 6-CYLINDER, 58-HORSEPOWER GASOLINE ENGINE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-2-A

NOMEN: TRUCK, CARGO, 1-TON, 4X4 BLITZ-128

PRODUCED/ADOPTED: 1957 TO ?/

CATALOG: TB-381-5-22
 (OLD 16-2320-4-2)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 30AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 1665
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 1000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 2665
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 915
 -EMPTY REAR ----- 750
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 15

MAX TOWED LOAD (KG)-

-OFF HWY ----- 2000
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5480
 WIDTH O'ALL ----- 1960
 HEIGHT O'ALL ----- 2525

CARGO SPACE-

-LENGTH ----- 2900
 -WIDTH ----- 1800
 -HGT OF SIDES ----- 1400

TREAD, C TO C-

-FRONT ----- 1540
 -REAR ----- 1520

WHEELBASE ----- 3300

GROUND CLEARANCE ----- 270

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?

TURNING RADIUS (MM) ----- 7000

FORDING DEPTH (MM) ----- ?

FUEL CONS., LOADED -

-ROAD (L/100KM) ----- 13.5
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 500
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 85
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- 44

ANGLE OF DEPARTURE (DEG) --- 40

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ?
 TYPE ----- 6 CYLINDER
 MAX HP AT RPM ----- 58 AT 3700
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 80
 STROKE (MM) ----- 82
 DISPLACEMENT (LITERS) 2.473

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 9.00 BY 16
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 68
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL ON REAR WHEEL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- YES
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

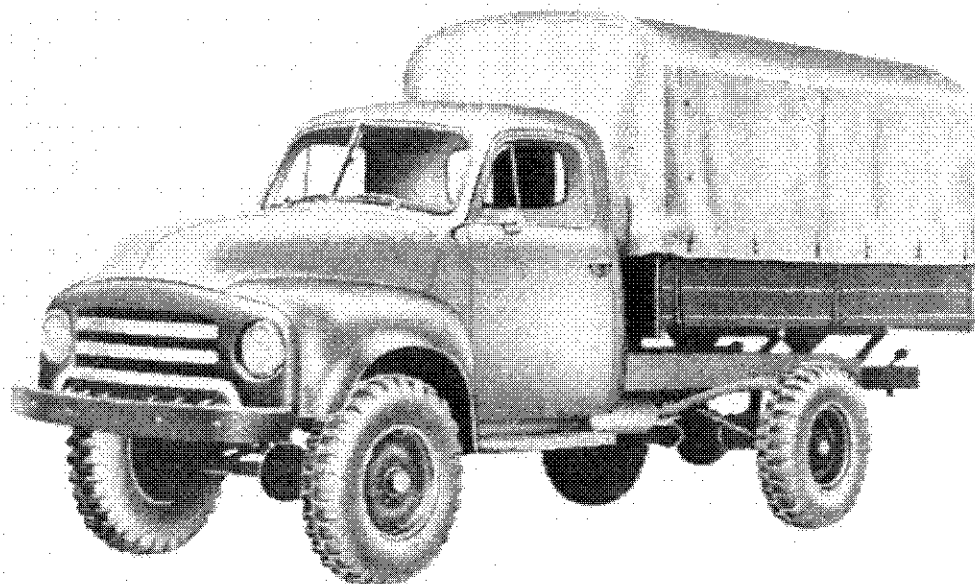
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-2-8
NOMEN: TRUCK, CARGO, 1-TON, 4X4 BLITZ-128
PRODUCED/ADOPTED: 1957 TO ?/

CATALOG: T8-381-5-22
(OLD 16-2320-4-2)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-16-4-2-8

NOMEN: TRUCK, CARGO, 1-TON, 4X4 BLITZ-128

PRODUCED/ADOPTED: 1957 TO ??

CATALOG: TB-381-5-22

(OLD 16-2320-4-2)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-4-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 4-TON, 6X6, LG 3500

TOLD 16-2320-4-41

NATIVE DES: LASTKRAFTWAGEN, PREITSCH, 4-TONNER 6X6, LG 3500
PRODUCED/ADOPTED: 1956 TO ??COUNTRY: WEST GERMANY
DATE UPDATED: 08AUG73

(U)THE LG 3500, MANUFACTURED BY DAIMLER-BENZ A.G., MANNHEIM, WEST GERMANY, IS A 4-TON 6 X 6 CARGO TRUCK. IT IS USED IN THE WEST GERMAN BUNDESWEHR AS A TRANSPORT FOR PERSONNEL AND CARGO, AS A VEHICLE FOR FIELD CABLE LAYING, AS A MOBILE REPAIR SHOP, AND AS A CROSS-COUNTRY PRIME MOVER. THE CAB HAS AN OBSERVER'S CUPOLA WITH 360 DEG VISIBILITY WHEN THE BODY'S CANVAS COVER IS REMOVED. THE CUPOLA CAN BE FITTED WITH A MACHINEGUN RINGMOUNT, IF REQUIRED. THE CANVAS COVER, EQUIPPED WITH TWO WINDOWS ON EACH SIDE, PROVIDES ALL-WEATHER PROTECTION FOR THE CARGO AREA.

(U)POWERED WITH A 6-CYLINDER, 110-HORSEPOWER GASOLINE ENGINE, THE TRUCK IS PROVIDED WITH THREE AXLES, ALL DRIVEN, A 5-SPEED MANUAL TRANSMISSION, A 2-SPEED TRANSFER CASE TO MEET VARYING DRIVING REQUIREMENTS, AND A HOTCHKISS DRIVE.

(U)THE SUSPENSION SYSTEM CONSISTS OF SEMIELLIPTIC, LAMINATED LEAF SPRINGS IN FRONT, AND HEAVY-DUTY SEMIELLIPTIC, LAMINATED LEAF SPRINGS ON THE BOGIE IN THE REAR. THE HYDRAULIC BRAKING SYSTEM ON ALL WHEELS IS AIR PRESSURE ASSISTED, AND CAN BE USED FOR SINGLE- OR TWIN-LEAD TRAILER BRAKES.

(U)THE EXHAUST MUFFLER, MOUNTED VERTICALLY AT THE REAR OF THE CAB'S LEFT SIDE, DISCHARGES THE GASES THROUGH A PIPE EXTENDING TO THE ROOF LEVEL OF THE CANVAS COVER.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-4-A
NOMEN: TRUCK, CARGO, 4-TON, 6X6, LG 3500

CATALOG: TB-381-5-22
(OLD 16-2320-4-4)
COUNTRY: WEST GERMANY
DATE UPDATED: 08AUG73

PRODUCED/ADOPTED: 1956 TO ?/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 3452
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 4003
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 7455
-GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
-EMPTY REAR ----- ?
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY - ?
-LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 2 IN CAB 6 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
-ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VECHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5740
WIDTH O/ALL ----- 2290
HEIGHT O/ALL ----- 2347

CARGO SPACE-

-LENGTH ----- ?
-WIDTH ----- ?
-HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- ?
-REAR ----- ?

WHEELBASE ----- 3467

GROUND CLEARANCE ----- 300

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) --- 40

TURNING RADIUS (MM) ----- ?

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 33.5
-WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 402
-WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 85
-WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

REMARKS:

ENGINE:

MODEL ----- DAIMLER-BENZ/OM 312
TYPE ----- 6 CYL, 4 STROKE
MAX HP AT RPM ----- 110 AT 3000
MAX TORQUE (KGM) ----- 27 AT 1600
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 90
STROKE (MM) ----- 120
DISPLACEMENT (LITERS) 4.580

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 BY 20
-PLY ----- 12
-TYPE ----- ?
-LOADED RADIUS (MM) - 500
-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 136.
-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
-PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24

WINCH-TYPE ----- MECHANICAL

-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) --- 2

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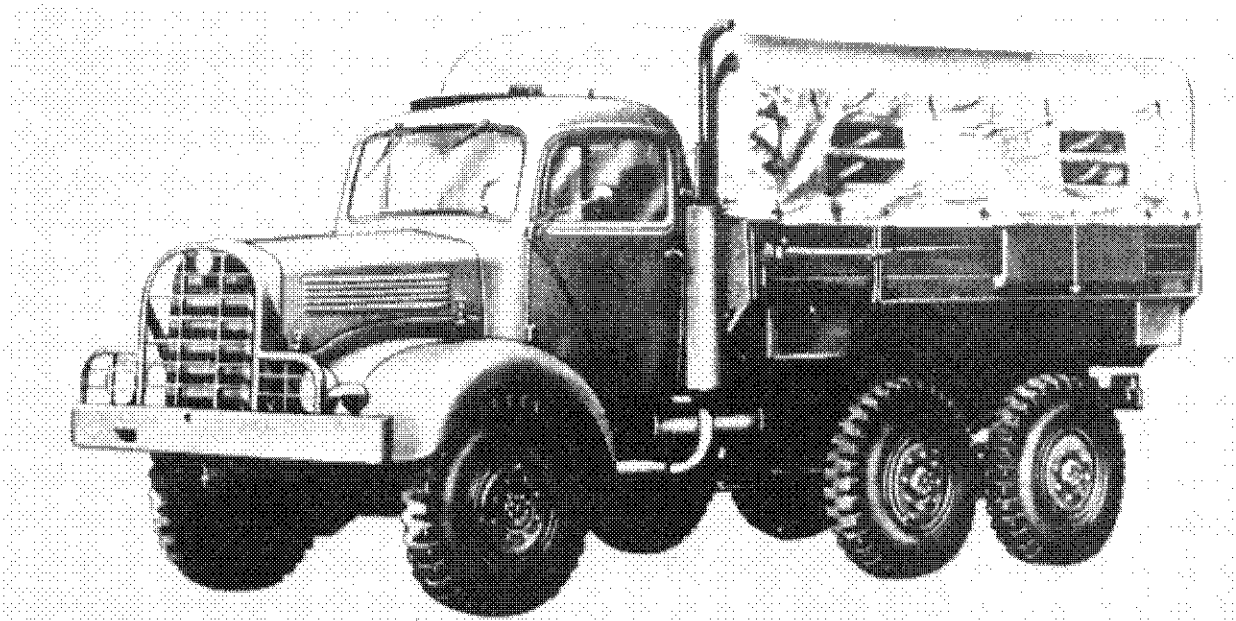
U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-16-4-4-B
NOMEN: TRUCK; CARGO; 4-TON; 6X6; LG 3500

PRODUCED/ADOPTED: 1956 TO 77

CATALOG: TB-381-S-22
FOED 16-2320-4-41
COUNTRY: WEST GERMANY
DATE UPDATED: 08AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-16-4-4-8
NOMEN: TRUCK, CARGO, 4-TON, 6X6, LG 3900
PRODUCED/ADOPTED: 1956 TO ?/

CATALOG: TB-381-5-22
(OLD 16-2320-4-4)
COUNTRY: WEST GERMANY
DATE UPDATED: 08AUG73

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U N C L A S S I F I E D

FOM-2320-16-4-6-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO 2-1/2-TON, 4X4, FK3500 (CONVENTIONAL CAB)

(OLD 16-2320-4-6)

NATIVE DES: LASTKRAFTWAGEN, PRITSCH, 2.5-TONNER, 4X4, FK3500
PRODUCED/ADOPTED: 1956 TO ??COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

(U) THE FK 3500 MEDIUM-WEIGHT CROSS-COUNTRY TRUCK, MANUFACTURED BY FORD WERKE A.G., KOLN-NIEHL (COLOGNE), WEST GERMANY, IS USED FOR THE TRANSPORT OF CARGO AND PERSONNEL. IT IS SOMETIMES USED AS A PRIME MOVER FOR LIGHT ARTILLERY, AS A TRUCK FOR LAYING FIELD CABLE, AND AS A REPAIR TRUCK. THE CAB IS EQUIPPED WITH AN OBSERVER'S CUPOLA, PERMITTING 360 DEG VISIBILITY WHEN THE CANVAS COVER IS REMOVED FROM THE CARGO AREA. THIS CUPOLA CAN BE FITTED WITH A MACHINEGUN RINGMOUNT, IF DESIRED.

(U) THE FK 3500 HAS A STAKE AND WOODEN PLATFORM BODY WITH STEEL SIDE PANELS WHICH FOLD TO ACCOMMODATE BULKY CARGO, AND A DROP REAR GATE. COLLAPSIBLE SEATS ARE FASTENED TO THE SIDE PANELS, PERMITTING CONVERSION OF THIS TRUCK TO A TROOP TRANSPORT VEHICLE. THE BODY IS RAISED ABOVE THE CHASSIS, ENABLING THE VEHICLE TO FORD STREAMS.

(U) THE SUSPENSION SYSTEM CONSISTS OF SEMIELLIPTIC, LAMINATED LEAF SPRINGS, WITH OVERLOAD SPRINGS IN THE REAR, AND DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS FRONT AND REAR. THE HYDRAULIC BRAKING SYSTEM ON ALL WHEELS HAS A VACUUM BOOSTER. THE TRUCK IS NORMALLY EQUIPPED WITH A V-8, 100-HORSEPOWER, LIQUID-COOLED GASOLINE ENGINE, BUT IT CAN ALSO BE FITTED WITH AN INLINE, 6-CYLINDER, 125-HORSEPOWER DIESEL ENGINE THAT WOULD INCREASE ITS CRUISING RANGE. A 2-SPEED TRANSFER CASE AND A 4-SPEED MANUAL TRANSMISSION MEET VARYING DRIVING REQUIREMENTS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-6-A
 NOMEN: TRUCK, CARGO 2-1/2-TON, 4X4, FK3500 (CONVENTIONAL CAB)

CATALOG: T8-381-5-22
 (OLD 16-2320-4-6)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1956 TO ??

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 3072
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 4022
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 7094
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY ----- ?
 -LOADED REAR OFF HWY ----- ?
 -LOADED FRONT ON HWY ----- ?
 -LOADED REAR ON HWY ----- ?
 PERSONNEL LOAD (NR) ----- 16
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7060
 WIDTH O'ALL ----- 2300
 HEIGHT O'ALL ----- 2500
 CARGO SPACE-
 -LENGTH ----- 4000
 -WIDTH ----- 2250
 -HGT OF SIDES ----- ?
 TREAD, C TO C-
 -FRONT ----- 1700
 -REAR ----- 1700
 WHEELBASE ----- 4013
 GROUND CLEARANCE ----- 210
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL ----- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 45
 TURNING RADIUS (MM) ----- 10200
 FORDING DEPTH (MM) ----- 1250
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 25 ?
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 440
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 85
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ----- 45
 ANGLE OF DEPARTURE (DEG) ----- 35
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- *1
 TYPE ----- V-8
 MAX HP AT RPM ----- 100 AT 3500
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE ----- LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) 3.924

FOM NR. ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 11.00 BY 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) ----- 510
 -INFLATION SYSTEM ----- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 110
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL ON REAR WHEEL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE ----- 4/1
 TRANSFER, NR SPEEDS ----- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) ----- 12 ?
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) ----- ?

REMARKS:

1/ THE MODEL OF THE GASOLINE ENGINE
 IS UNKNOWN. THE VEHICLE IS ALSO
 FOUND POWERED BY A MODEL A06,
 6-CYLINDER 2-CYCLE DIESEL
 ENGINE, FOM 2815-16-1-2

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-6-B

NOMEN: TRUCK, CARGO 2-1/2-TON, 4X4, FK3500 (CONVENTIONAL CAB)

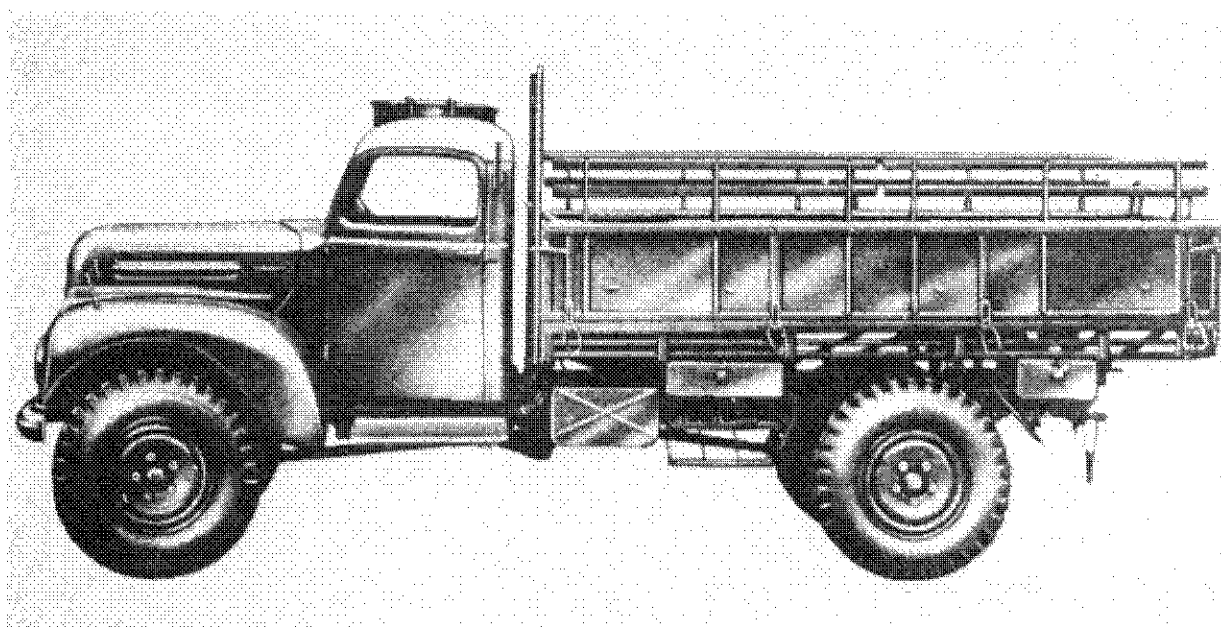
PRODUCED/ADOPTED: 1956 TO ??

CATALOG: TB-381-5-22

(OLD 16-2320-4-6)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-16-4-4-8
NGMEN: TRUCK; CARGO 2-1/2-TON, 4X4, FK3500 (CONVENTIONAL CAB)
PRODUCED/ADOPTED: 1956 TO ??

CATALOG: TB-381-5-22
(OLD 16-2320-4-6)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01JUN66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-8-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 5-TON, 4X4, LS7

(OLD 16-2320-4-8)

NATIVE DES: LASTKRAFTWAGEN, PRITSCH, 5-TONNER, 4X4, LS7
PRODUCED/ADOPTED: 1955 TO ??COUNTRY: WEST GERMANY
DATE UPDATED: 08AUG73

{U}THE LS 7, 5-TON CARGO TRUCK IS MANUFACTURED BY BUSSING NUTZKRAFTWAGEN G.M.B.H., BRAUNSCHWEIG, WEST GERMANY. THIS VEHICLE HAS 4-WHEEL-DRIVE, AND IS A CROSS-COUNTRY MILITARY TRANSPORTER OF CONVENTIONAL DESIGN.

{U}THE OPEN, WOODEN PLATFORM HAS DROP SIDES AND A HINGED TAILGATE. FOLDING BENCHES ALONG THE TWO SIDES OF THE CARGO AREA CAN ACCOMMODATE 14 FULLY EQUIPPED TROOPS. A REMOVABLE CANVAS COVER WITH THREE WINDOWS IN EACH SIDE PROVIDES ALL-WEATHER CARGO PROTECTION. THE STEEL CAB SEATS TWO, AND THE OBSERVER'S CUPOLA IN THE ROOF PROVIDES 360 DEG VISIBILITY WHEN THE CANVAS COVER OVER THE CARGO AREA IS REMOVED. A MACHINEGUN RINGMOUNT CAN BE FITTED TO THE CUPOLA, IF REQUIRED. THE SPARE TIRE UNIT IS MOUNTED BETWEEN THE REAR OF THE CAB AND THE CARGO AREA.

{U}THE SUSPENSION SYSTEM CONSISTS OF SEMIELLIPTIC, LAMINATED LEAF SPRINGS, WITH OVERLOAD SPRINGS PROVIDED IN THE REAR. DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS ARE SUPPLIED AT EACH WHEEL. THE REAR WHEELS ARE DUAL. HYDRAULIC BRAKES ON ALL FOUR WHEELS ARE AIR ASSISTED, PROVIDING THE PRIMARY BRAKING SYSTEM; MECHANICAL BRAKES ON THE REAR DRIVE SHAFT ARE AVAILABLE FOR PARKING.

{U}THE MANUAL, SYNCHROMESH TRANSMISSION PROVIDES 5 FORWARD SPEEDS AND 1 REVERSE, WHILE THE 2-SPEED TRANSFER CASE HELPS MEET FURTHER INDIVIDUAL ROAD REQUIREMENTS. THIS VEHICLE IS EQUIPPED WITH A BUSSING, 130-HORSEPOWER, WATER-COOLED DIESEL ENGINE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-8-A
 NOMEN: TRUCK, CARGO, 5-TON, 4X4, L57

CATALOG: TB-381-5-22
 (OLD 16-2320-4-8)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 08AUG73

PRODUCED/ADOPTED: 1955 TO ?/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 4955
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 5005
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 9960
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 3704
 -LOADED REAR ON HWY --- 6256
 PERSONNEL LOAD (NR) ----- 16
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 16017
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7195
 WIDTH O'ALL ----- 2408
 HEIGHT O'ALL ----- 3017
 CARGO SPACE-
 -LENGTH ----- 3596
 -WIDTH ----- 2194
 -HGT OF SIDES ----- 914.4
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 4200
 GROUND CLEARANCE ----- 292
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 8442
 FORDING DEPTH (MM) ----- 609
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 18.64
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 1621
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 61.5
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) 2

REMARKS:

ENGINE:

MODEL ----- S7 BUSSING
 TYPE ----- 6 CYL, IN LINE, 4 STROKE
 MAX HP AT RPM ----- 130 AT 2400
 MAX TORQUE (KGM) ---- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) 7.983

FOM NR ----- 2815-16-1-1

GENERAL DATA:

TIRES-
 -SIZE ----- 10.00 BY 20
 -PLY ----- 12
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 500
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 151
 -AUX TANK ----- 151
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-8-8

NOMEN: TRUCK, CARGO, 5-TON, 4X4, LST

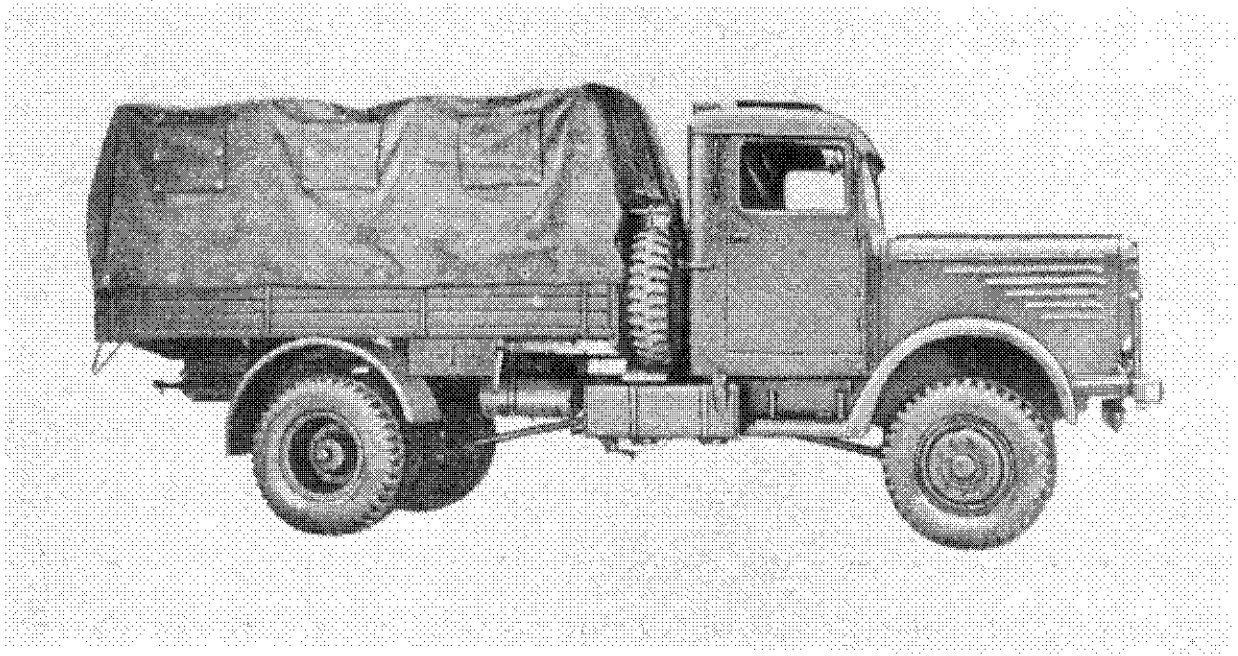
PRODUCED/ADOPTED: 1955 TO ??

CATALOG: TS-381-5-22

(OLD 16-2320-4-8)

COUNTRY: WEST GERMANY

DATE UPDATED: 08AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-16-4-8-B
NOMEN: TRUCK, CARGO, 5-TON, 4X4, LS7
PRODUCED/ADOPTED: 1955 TO ??

CATALOG: TB-381-5-22
(OLD 16-2320-4-8)
COUNTRY: WEST GERMANY
DATE UPDATED: 08AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-9-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, CARGO, 5-TON, 4X4, HS 115

(OLD 16-2320-4-9)

NATIVE DES: LASTKRAFTWAGEN, 5-TONNER, 4X4, HS 115
PRODUCED/ADOPTED: 1956 TO ??COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

(U)THE HS 115 CARGO TRUCK IS MANUFACTURED BY HENSCHEL & SOHN G.M.B.H., KASSEL, WEST GERMANY. IT IS A CROSS-COUNTRY, 4-WHEEL-DRIVE, MILITARY TRANSPORTER WITH A CAB-OVER-ENGINE STYLING, AND IS POWERED WITH A 6-CYLINDER, 125-HORSEPOWER, WATER-COOLED DIESEL ENGINE. THE STEEL CAB, WHICH SEATS THREE AND PROVIDES GOOD VISIBILITY, HAS AN OBSERVER'S CUPOLA IN THE ROOF ALLOWING 360 DEG VISIBILITY WHEN THE REAR DECK CANVAS COVER IS REMOVED. WHEN REQUIRED, THE CUPOLA MAY BE FITTED WITH A MACHINEGUN RINGMOUNT.

(U)THE OPEN, WOODEN PLATFORM BODY HAS REMOVABLE SIDES AND REAR PANELS. FOLDING BENCHES ALONG THE SIDES CAN PROVIDE SEATING FOR 16 FULLY EQUIPPED TROOPS. THE REMOVABLE CANVAS COVER OVER THE CARGO AREA, WITH FOUR WINDOWS IN EACH SIDE, PROVIDES ALL-WEATHER PROTECTION.

(U)THE CHASSIS IS MOUNTED ON SEMIELLIPITIC, LAMINATED LEAF SPRINGS WITH OVERLOAD SPRINGS AND DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS AT EACH WHEEL. AIR BRAKES ARE PROVIDED FOR ALL FOUR WHEELS, WITH A MECHANICAL BRAKING SYSTEM ON THE REAR WHEELS FOR PARKING. THE MANUAL, SYNCHROMESH TRANSMISSION PROVIDES 5 SPEEDS FORWARD AND 1 REVERSE. A 2-SPEED TRANSFER CASE PROVIDES FOR INDIVIDUAL DRIVING REQUIREMENTS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-9-A
 NOMEN: TRUCK, CARGO, 5-TON, 4X4, HS 115

CATALOG: T8-381-5-22
 (OLD 16-2320-4-9)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1956 TO ?/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 6300
 -PAYLOAD OFF HWY ----- 4400
 -PAYLOAD ON HWY ----- 5000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 10700
 -GROSS ON HWY ----- 11300
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 5350
 -LOADED REAR ON HWY - 5350

PERSONNEL LOAD (NR) ----- 19

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 12000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6370
 WIDTH O'ALL ----- 2350
 HEIGHT O'ALL ----- 2650
 CARGO SPACE-
 -LENGTH ----- 4500
 -WIDTH ----- 2200
 -HGT OF SIDES ----- 600
 TREAD, C TO C-
 -FRONT ----- 1880
 -REAR ----- 1880
 WHEELBASE ----- 3850
 GROUND CLEARANCE ----- 330.2
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 9200
 FORDING DEPTH (MM) ----- 850
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 18
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 663
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 65
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 30
 ANGLE OF DEPARTURE (DEG) --- 50
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- 522 DPT
 TYPE ----- 6 CYLINDER, IN-LINE
 MAX HP AT RPM ----- 125 AT 2600
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 100
 STROKE (MM) ----- 130
 DISPLACEMENT (LITERS) 6.126

FOM NR ----- 2815-16-1-4

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 BY 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 532
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 120
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- AIR
 -PARKING TYPE ----- MECHANICAL ON REAR WHEEL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 24
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

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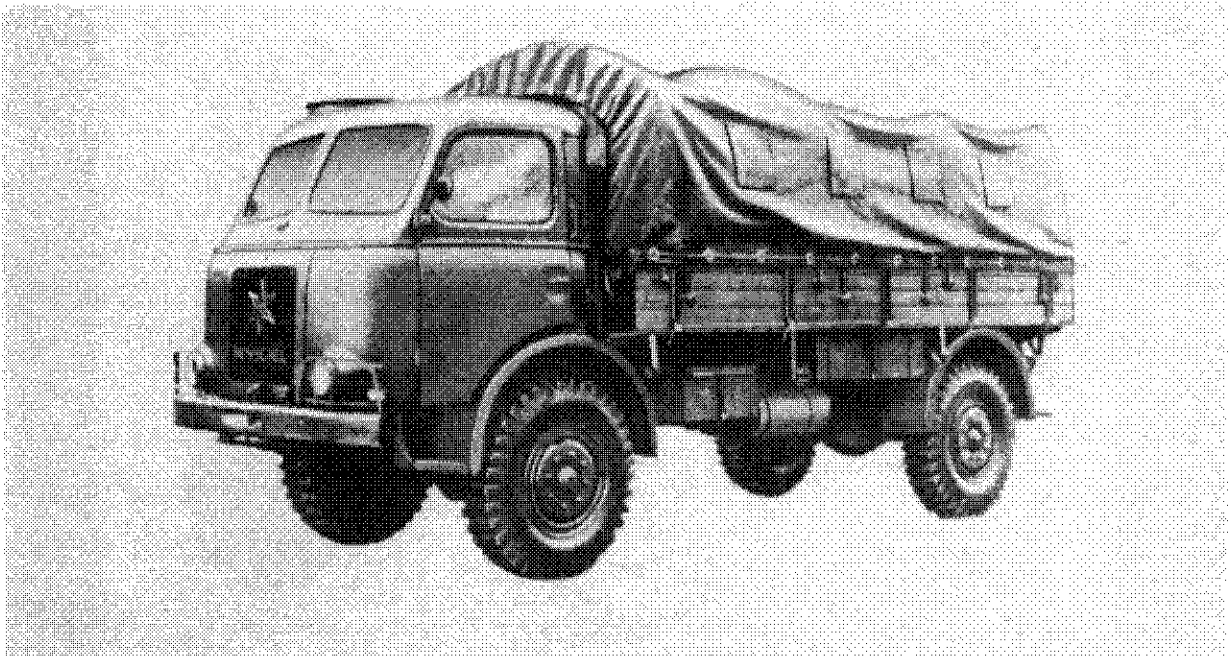
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U N C L A S S I F I E D

FGM-2320-16-4-9-B
NCMEN: TRUCK, CARGO, 5-TON, 4X4, HS 115

PRODUCED/ADOPTED: 1956 TO ?/

CATALOG: TS-381-5-22
(OLD 16-2320-4-9)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-9-8
NOMEN: TRUCK, CARGO, 5-TON, 4X4, HS 115
PRODUCED/ADOPTED: 1956 TO 7/

CATALOG: TB-381-5-22
(OLD 16-2320-4-9)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-12-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, CARGO, 5-TON, 4 X 4, L312

10LD 16-2320-4-121

NATIVE DES: LASTKRAFTWAGEN PRITSCH, 5-TONNER, 4 X 4, L312
PRODUCED/ADOPTED: 1956-1964/

COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

(U)THE L 312, MANUFACTURED BY DAIMLER-BENZ A.G., MANNHEIM, WEST GERMANY, IS A HEAVY CROSS-COUNTRY 4 X 4 CARGO TRUCK POWERED WITH A 6-CYLINDER, 90-HORSEPOWER DIESEL ENGINE. IT IS USED AS A MILITARY TRANSPORT FOR TROOPS AND CARGO, AS A PRIME MOVER FOR MEDIUM ARTILLERY, AS A TRANSPORT FOR BRIDGE-BUILDING EQUIPMENT, AND AS A REPAIR AND MAINTENANCE VEHICLE.

(U)THE TRUCK HAS 4-WHEEL DRIVE, DUAL REAR WHEELS, A MANUAL, SLIDING GEAR TRANSMISSION PROVIDING 6 FORWARD SPEEDS AND 1 REVERSE, AND A 2-SPEED TRANSFER CASE TO PROVIDE FOR VARYING DRIVING REQUIREMENTS.

(U)THE SUSPENSION SYSTEM CONSISTS OF SEMIELLIPTIC, LAMINATED LEAF SPRINGS, WITH OVERLOAD SPRINGS ON THE REAR, AND WITH DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS FRONT AND REAR. THE HYDRAULIC BRAKING SYSTEM IS AIR ASSISTED, AND CAN BE USED FOR SINGLE- OR TWIN-LEAD TRAILER BRAKES. THE EXCELLENT GROUND TO BODY CLEARANCE AND THE LARGE ANGLE OF APPROACH ENABLE THIS VEHICLE TO HAUL A PAYLOAD OF OVER 11,000 POUNDS UP A 70% GRADE IN LOW GEAR.

(U)THE ALL-STEEL CAB IS EQUIPPED WITH AN OBSERVER'S CUPOLA IN THE ROOF, PROVIDING 360 DEG VISIBILITY WHEN THE CANVAS COVER OVER THE CARGO AREA IS REMOVED. THE CUPOLA CAN BE FITTED WITH A MACHINEGUN RINGMOUNT, IF DESIRED.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2320-16-4-12-A
 NOMEN: TRUCK, CARGO, 5-TON, 4 X 4, L312

CATALOG: T8-381-5-22
 (OLD 16-2320-4-12)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1956-1964/

PHYSICAL DATA:

WEIGHT (KG):-

-CURB ----- 2470
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 5000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 7470
 -GROSS, WATER ----- N/A

AXLE LOAD (KG):-

-EMPTY FRONT ----- 1485
 -EMPTY REAR ----- 985
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY -- ?

PERSONNEL LOAD (NR) ----- 22

MAX TOWED LOAD (KG):-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG):-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8100
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 2580
 CARGO SPACE-

-LENGTH ----- 5000
 -WIDTH ----- 2350
 -HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- 1925
 -REAR ----- 1755

WHEELBASE ----- 4600

GROUND CLEARANCE ----- 265

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 70
 TURNING RADIUS (MM) ----- 9845

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 70
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- 34

ANGLE OF DEPARTURE (DEG) --- 34

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- OM312
 TYPE ----- 6 CYLINDER, 4 CYCLE
 MAX HP AT RPM ----- 90 AT 2800
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE -- ?
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FQM NR ----- 2815-16-1-5

GENERAL DATA:

TIRES-

-SIZE ----- 8.25 BY 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 460
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 92
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC (AIR ASSIST)
 -PARKING TYPE ----- MECHANICAL ON REAR WHEEL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 6/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) --- ?

REMARKS:

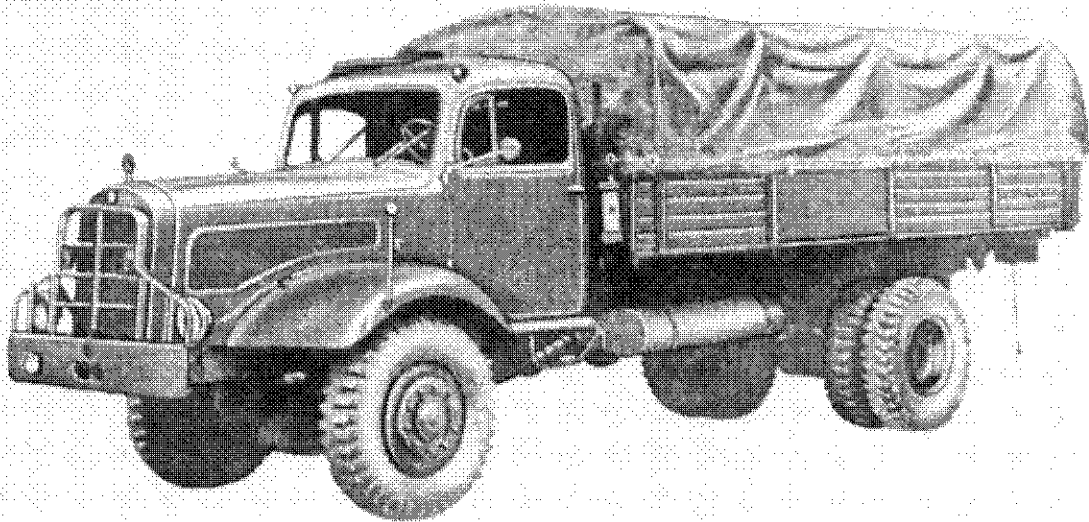
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-12-B
NOMEN: TRUCK, CARGO, 5-TON, 4 X 4, L312
PRODUCED/ADOPTED: 1956-1964/

CATALOG: TB-381-5-22
(OLD 16-2320-4-12)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-12-B
NOMEN: TRUCK, CARGO, 5-TON, 4 X 4, L312
PRODUCED/ADOPTED: 1956-1964/

CATALOG: T8-381-5-22
(OLD 16-2320-4-12)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-16-4-16-A

CATALOG: T8-391-5-22

NOMEN: TRUCK, CARGO, 1-1/2-TON, 4X4 UNIMOG-5404

IOL 16-2320-4-161

NATIVE DES: LASTKRAFTWAGEN PRITSCH, 1.5 TONNER, UNIMOG-5404
PRODUCED/ADOPTED: 1958 TO DATECOUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

(U)THE UNIMOG-S 404, MANUFACTURED BY DAIMLER-BENZ A.G., MANHEIM, WEST GERMANY, IS USED BOTH FOR MILITARY AND CIVILIAN DUTIES. AS A MILITARY VEHICLE, IT IS USED AS A TROOP CARRIER, AS A CARGO TRUCK, AND AS A PRIME MOVER FOR TOWING LIGHT ARTILLERY. IT IS AIR TRANSPORTABLE, AND CAN BE DROPPED BY PARACHUTE.

(U)ITS HANDLING QUALITIES ON HIGHWAYS ARE REPORTED TO BE COMPARABLE TO THOSE OF A PASSENGER CAR. CROSS-COUNTRY PERFORMANCE IS CONSIDERED SUPERIOR BECAUSE OF THE HIGH GROUND CLEARANCE, SHORT WHEEL BASE, 6-FORWARD-SPEED TRANSMISSION, AND CAB-CONTROLLED LOCKING DIFFERENTIALS. THE FRONT-WHEEL DRIVE IS ENGAGED AND DISENGAGED BY THE SAME LEVER THAT LOCKS THE DIFFERENTIALS. THE AXLE SHAFTS ARE COUPLED TO THE FRONT AND THE REAR WHEELS BY A DRIVE-PINION-GEAR SYSTEM SIMILAR TO THE FINAL DRIVE OF A TRACKED VEHICLE. THIS ARRANGEMENT FACILITATES THE UNUSUALLY HIGH GROUND CLEARANCE OF 401 MILLIMETERS AND THE FORDING DEPTH OF 800 MILLIMETERS WITHOUT THE NECESSITY OF A FORDING KIT.

(U)THE 2-SPEED TRANSFER CASE INCLUDES AN AUXILIARY POWER SHAFT WHICH SERVES AS A POWER TAKEOFF FOR OPERATING A WINCH, A SNOWPLOW, A CHAIN SAW, AN AIR COMPRESSOR, AND SO FORTH, AS NEEDED.

(U)THIS VEHICLE IS ALSO AVAILABLE IN A MODEL WITH A SHORTER WHEELBASE MEASURING 2349.5 MILLIMETERS, AN OVERALL LENGTH AND A CARGO SPACE LENGTH OF 4145 MILLIMETERS AND 2195 MILLIMETERS, RESPECTIVELY, AND A TIRE SIZE OF 10.00 X 18. ALL OTHER CHARACTERISTICS ARE THE SAME.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-16-A
NOMEN: TRUCK, CARGO, 1-1/2-TON, 4X4 UNIMOG-5404

CATALOG: T8-381-5-22
(OLD 16-2320-4-16)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1958 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 3100
-PAYLOAD OFF HWY ----- 1500
-PAYLOAD ON HWY ----- 1500
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- 4600
-GROSS ON HWY ----- 4600
-GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1659
-EMPTY REAR ----- 1441
-LOADED FRONT OFF HWY -- 2100
-LOADED REAR OFF HWY -- 2500
-LOADED FRONT ON HWY -- 2100
-LOADED REAR ON HWY -- 2500

PERSONNEL LOAD (NR) ----- 12

MAX TOWED LOAD (KG)-

-OFF HWY ----- *1
-ON HWY ----- *1

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 4925
WIDTH O'ALL ----- 2140
HEIGHT O'ALL ----- 2530
CARGO SPACE-
-LENGTH ----- 3000
-WIDTH ----- 2000
-HGT OF SIDES ----- 500
TREAD, C TO C-
-FRONT ----- 1630
-REAR ----- 1630
WHEELBASE ----- 2900
GROUND CLEARANCE ----- 400
PINTLE HEIGHT ----- 730
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 70
TURNING RADIUS (MM) ----- 6500
FORDING DEPTH (MM) ----- 800
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 26.4
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 450
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 95
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- 45 DEG
ANGLE OF DEPARTURE (DEG) --- 46
VERTICAL OBSTACLE (MM) ----- 400
TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ 12,128 KILOGRAMS, SINGLE-AXLE TRAILER
19,404 KILOGRAMS, DOUBLE-AXLE TRAILER

ENGINE:

MODEL ----- M 180/II
TYPE ----- 6 CYL, 4 STROKE, OHV
MAX HP AT RPM ----- 85 AT 4850 (SAE)
MAX TORQUE (KGM) ----- 15.8 AT 2800
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 80
STROKE (MM) ----- 72.8
DISPLACEMENT (LITERS) 2.195

FOM NR ----- 2805-16-1-1

GENERAL DATA:

TIRES-

-SIZE ----- 10.00 BY 20
-PLY ----- 12
-TYPE ----- ?
-LOADED RADIUS (MM) - 500
-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 60
-AUX TANK ----- 60

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC, ALL WHEELS
-PARKING TYPE ----- MECH, REAR WHEELS

SUSPENSION SYSTEM-

-FRONT ----- COIL SPRINGS
-REAR ----- COIL SPRINGS, DOUBLE

TRANSMISSION-

-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 6/2

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- YES
-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24

WINCH-TYPE ----- MECHANICAL

-CAPACITY (KG) ----- 3000

-CABLE LENGTH (MM) -- 50,000

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-16-8

NOMEN: TRUCK, CARGO, 1-1/2-TON, 4X4 UNIMOG-S404

PRODUCED/ADOPTED: 1958 TO DATE

CATALOG: TB-381-5-22

(OLD 16-2320-4-16)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-16-B
NOMEN: TRUCK, CARGO, 1-1/2-TON, 4X4 UNIMOG-S404

CATALOG: TB-381-5-22
(OLD 16-2320-4-161)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1958 TO DATE

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-18-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, CARGO 8-TON, 4 X 4 DRACHE II

(OLD 16-2320-4-18)

NATIVE DES: LASTKRAFTWAGEN, 7.7-TONNER DRACHE II MIT ALLRADANTRIEB
PRODUCED/ADOPTED: 1955-1964/COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

(U)THE DRACHE II 8-TON CARGO TRUCK WAS MANUFACTURED BY FRIEDER. KRUPP MOTOR-UND KRAFTWAGENFABRIKEN G.M.B.H., ESSEN, WEST GERMANY. THIS ALL-WHEEL-DRIVE TRUCK IS USED BY THE WEST GERMAN BUNDESWEHR AS A MILITARY TRANSPORT FOR PERSONNEL AND CARGO, AS A PRIME MOVER FOR MEDIUM ARTILLERY, AND AS A MAINTENANCE AND REPAIR VEHICLE. THE BASIC CHASSIS OF THE DRACHE II CAN BE ADAPTED TO TAKE ANY KIND OF CARGO BODY, INCLUDING SPECIAL TYPES FOR VARIOUS SERVICE BRANCHES.

(U)THE 4-CYLINDER, 2-CYCLE DIESEL ENGINE IS LOCATED FORWARD OF THE FRONT AXLE AND PARTLY WITHIN THE CAB, PERMITTING SHORTENING OF THE FRONT-END OVERHANG, AND GIVING THE IMPRESSION OF A CAB-OVER-ENGINE DESIGN. THE HIGH GROUND CLEARANCE AND THE LARGE ANGLES OF APPROACH AND DEPARTURE OF THE VEHICLE MAKE OPERATION OVER DIFFICULT TERRAIN POSSIBLE. THE DRACH II IS PROVIDED WITH TWO AXLES, WITH DUAL WHEELS ON THE REAR, AND WITH A MANUAL, SLIDING-GEAR, TRANSMISSION. A 2-SPEED TRANSFER CASE HELPS MEET VARYING DRIVING REQUIREMENTS.

(U)THE SUSPENSION SYSTEM IS COMPOSED OF SEMIELLIPTIC, LAMINATED LEAF SPRINGS, WITH OVERLOAD SPRINGS ON THE REAR. THE MECHANICAL BRAKING SYSTEM ON ALL WHEELS IS AIR PRESSURE ASSISTED.

(U)THE VEHICLE COMES EQUIPPED WITH FOUR EXTRA 6-VOLT BATTERIES, PROVIDING SUFFICIENT POWER FOR MAINTENANCE WORK. A MOTOR-DRIVEN AIR COMPRESSOR AND A POWER WINCH ARE STANDARD EQUIPMENT.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-18-A
 NOMEN: TRUCK, CARGO 8-TON, 4 X 4 GRACHE 11

CATALOG: TB-381-5-22
 (OLD 16-2320-4-18)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1955-1964/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 8300
 -PAYLOAD OFF HWY ----- 6000
 -PAYLOAD ON HWY ----- 7700
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 14300
 -GROSS ON HWY ----- 16000
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY -- 6000
 -LOADED REAR ON HWY --- 10000

PERSONNEL LOAD (NR) ----- 22

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VECHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7550
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 3000
 CARGO SPACE-

-LENGTH ----- 5000
 -WIDTH ----- 2320
 -HGT OF SIDES ----- 800

TREAD, C TO C-

-FRONT ----- 1980
 -REAR ----- 1820

WHEELBASE ----- 4100

GROUND CLEARANCE ----- 275

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 45
 TURNING RADIUS (MM) ----- 8750
 FORDING DEPTH (MM) ----- 760 ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 18
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 1140
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 56
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- 45

ANGLE OF DEPARTURE (DEG) --- 35

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- KRUPP D 459
 TYPE ----- 4 CYLINDER IN-LINE, 2 CYCL
 MAX HP AT RPM ----- 160 AT 1800
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 115
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 5.816

FOM NR ----- 2815-16-1-6

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 BY 24
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 205
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC
 -PARKING TYPE ----- MECHANICAL (REAR WHEELS)

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 6/2

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-18-8

NOMEN: TRUCK, CARGO 8-TON, 4 X 4 DRACHE II

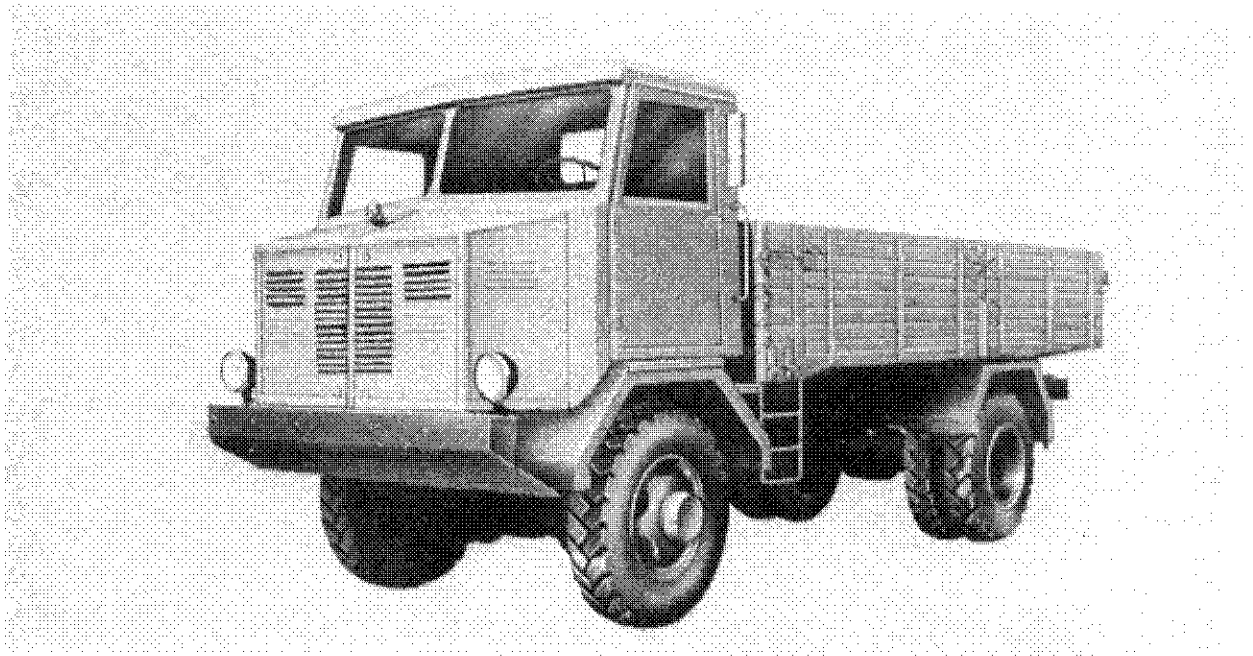
PRODUCED/ADOPTED: 1955-1964/

CATALOG: TB-381-5-22

(OLD 16-2320-4-18)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-16-4-18-B

NOMEN: TRUCK, CARGO 8-TON, 4 X 4 DRACHE II

PRODUCED/ADOPTED: 1955-1964/

CATALOG: TB-381-5-22

(OLD 16-2320-4-18)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-16-4-20-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, UTILITY, 1/4-TON, 4 X 4 MUNGA F91/4

(OLD 16-2320-4-20)

NATIVE DES: GELANDEWAGEN 1/4-TONNER, 4 X 4, MUNGA F91/4
PRODUCED/ADOPTED: 1956 TO 1970COUNTRY: WEST GERMANY
DATE UPDATED: 08AUG73

(U)THE 1/4-TON, 4 X 4, MUNGA F91 TRUCK WAS DEVELOPED BY AUTO UNION G.M.B.H., INGOLSTADT, WEST GERMANY, TO MEET DEFENSE MINISTRY MILITARY REQUIREMENTS FOR A LIGHTWEIGHT, 4-WHEEL-DRIVE, CROSS-COUNTRY VEHICLE. IT IS ESSENTIALLY A JEEP-TYPE MULTIPURPOSE CARRIER, ADAPTABLE TO VARIOUS APPLICATIONS. IT IS EQUIPPED WITH A STEEL BODY, A FOLDDOWN WINDSHIELD, AND A CANVAS TOP WITH DETACHABLE SIDE WINDOWS. THERE ARE NO DOORS. RADIO EQUIPMENT CAN BE INSTALLED IN THE TWO REAR SEAT COMPARTMENTS.

(U)ONE OF THE PRIMARY FEATURES OF THE VEHICLE IS THE ADVANTAGEOUS DUPLICATION, FOR ALL FOUR WHEELS, OF SUCH ASSEMBLIES AS AXLES, SUSPENSIONS, AND WHEEL HUBS, PERMITTING THEIR TOTAL INTERCHANGEABILITY. THIS FEATURE WAS RESPONSIBLE FOR THE INITIAL INTEREST IN THE VEHICLE, AND ITS EVENTUAL ADOPTION, BY THE NATO FORCES. ALL FOUR WHEELS ARE LOCKED IN CONSTANT DRIVE AT ALL TIMES, THE 2-SPEED TRANSFER CASE MERELY PROVIDING A HIGH-AND LOW-SPEED RANGE, WITH 4 FORWARD SPEEDS AND 1 REVERSE IN EACH RANGE. THE SUSPENSION SYSTEM CONSISTS OF TRAVERSE, SEMIELLIPTIC, LAMINATED LEAF SPRINGS AND DOUBLE-ACTING SHOCK ABSORBERS, FRONT AND REAR.

(U)THE DESIGN CHARACTERISTICS OF THE UNUSUAL FUEL INDUCTION AND IGNITION SYSTEMS, IN CONJUNCTION WITH THE FUNDAMENTAL PROPERTIES OF A 2-STROKE ENGINE, FACILITATE COLD-WEATHER STARTING TO A HIGH DEGREE. THE IGNITION SYSTEM PROVIDES EACH OF THE THREE CYLINDERS WITH ITS OWN INDIVIDUAL SET OF BREAKER POINTS, COIL, CONDENSER, AND SPARK PLUG, SO THAT A HIGHER INDUCTANCE SPARK CAN BE OBTAINED AS THE INTERRUPTER CAM ROTATES AT ENGINE CRANKSHAFT SPEED. COLD-WEATHER STARTING (0 DEG TO -65 DEG F) IS ACCOMPLISHED BY THE USE OF A "STARTING" CARURETOR, BASED ON CHANGING THE FUEL RESTRICTIONS OF THE MAIN CARBURETOR JETS AND USING A MANUALLY OPERATED THREE-POSITION CONTROL FOR NORMAL, HOT, AND COLD. GASOLINE AND OIL ARE PREMIXED FOR USE IN THE WATER-COOLED ENGINE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-16-4-20-A

NOMEN: TRUCK, UTILITY, 1/4-TON, 4 X 4 MUNGA F91/4

PRODUCED/ADOPTED: 1956 TO 1970

CATALOG: TB-381-5-22
 (OLO 16-2320-4-20)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 08AUG73

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 1085
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 365
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 1450
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 596
 -EMPTY REAR ----- 489
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 677
 -LOADED REAR ON HWY - 773
 PERSONNEL LOAD (NR) ----- 4
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 663
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 3445
 WIDTH O'ALL ----- 1810
 HEIGHT O'ALL ----- 1750
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 1206
 -REAR ----- 1206
 WHEELBASE ----- 2900
 GROUND CLEARANCE ----- 240
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60
 TURNING RADIUS (MM) ----- 6250
 FORDING DEPTH (MM) ----- 548
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 11
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 400
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 100
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- 26 DEG
 ANGLE OF DEPARTURE (DEG) --- 26
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ?
 TYPE ----- 3 CYL, 2 CYCLE, IN LINE
 MAX HP AT RPM ----- 44 AT 4250
 MAX TORQUE (KGM) ---- 8.2 AT 3000
 FUEL TYPE ----- #1
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 74
 STROKE (MM) ----- 76
 DISPLACEMENT (LITERS) .980

FOM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 6.00 BY 16
 -PLY ----- 4
 -TYPE ----- M
 -LOADED RADIUS (MM) - 313
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 45
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECH ON DRIVE SHAFT
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 24
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ GASOLINE AND LUBRICATING OIL MIXTURE

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-20-B

NOMEN: TRUCK, UTILITY, 1/4-TON, 4 X 4 MUNGA F91/4

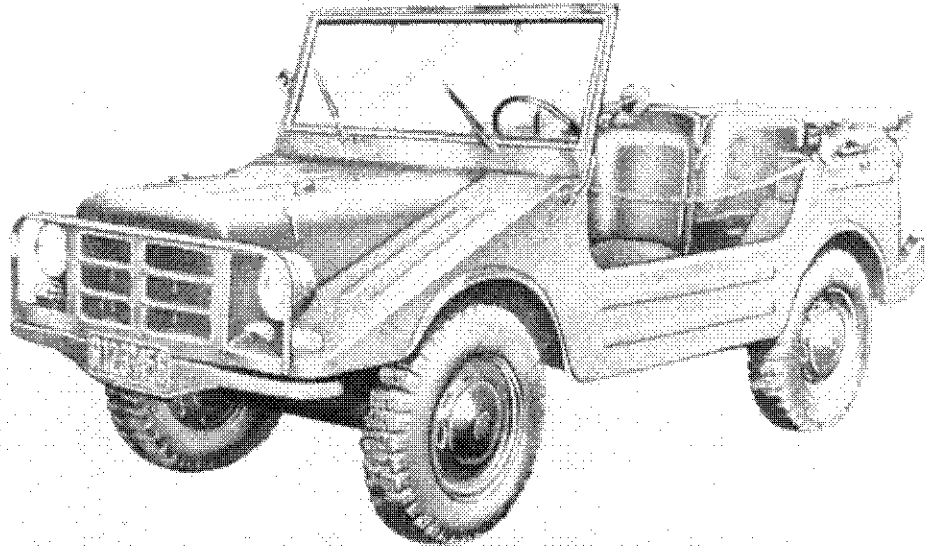
PRODUCED/ADOPTED: 1956 TO 1970

CATALOG: TB-381-5-22

(OLD: 16-2320-4-20)

COUNTRY: WEST GERMANY

DATE UPDATED: 08AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-16-4-20-R

NOMEN: TRUCK, UTILITY, 1/4-TON, 4 X 4 MUNGA F91/4

PRODUCED/ADOPTED: 1956 TO 1970

CATALOG: TB-391-S-22

(OLD 16-2320-4-20)

COUNTRY: WEST GERMANY

DATE UPDATED: 08AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-21-A

CATALOG: FR-381-5-22

NOMEN: TRUCK, CARGO, 1-TON 4X4

(OLD 16-2320-4-21)

NATIVE DES: LASTKRAFTWAGEN, KUBEL 3/4-TONNER, 4X4
PRODUCED/ADOPTED: 1956 TO ??

COUNTRY: WEST GERMANY
DATE UPDATED: 08AUG73

(U)THE 1-TON 4 X 4 CARGO TRUCK MANUFACTURED BY C.F.W. BORGWARD G.M.B.H., BREMEN, WEST GERMANY, IS USED BY THE BUNDESWEHR FOR COMMUNICATIONS, CARRYING OF PERSONNEL, MAINTENANCE, SURVEYING, SUPPORT OF LANDING OPERATIONS, ARTILLERY LIAISON, AND TRAFFIC CONTROL. IT ALSO SERVES FREQUENTLY AS A PRIME MOVER IN CONJUNCTION WITH A 1-TON CARGO TRAILER.

(U)THE 6-CYLINDER VEHICLE IS EQUIPPED WITH 4-WHEEL DRIVE AND A 2-SPEED TRANSFER CASE FOR CROSS-COUNTRY OPERATION. IT IS FITTED WITH AN OPEN, MILITARY-TYPE DRIVER'S COMPARTMENT, A FOLDING WIND-SHIELD, AND AN ALL-WEATHER REMOVABLE CANVAS TOP. THE CHASSIS IS SUITABLE FOR VARIOUS SPECIAL BODIES AND IS AVAILABLE WITH A BUCKET-TYPE BODY (FOM-2320-16-4-22), AND WITH VAN, STAKE, PLATFORM, AND OTHER TYPES OF BODIES.

(U)THE SUSPENSION SYSTEM CONSISTS OF SEMIELLIPTIC, LAMINATED LEAF SPRINGS, WITH OVERLOAD SPRINGS ON THE REAR, AND DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS. THE MANUAL, SLIDING-GEAR TRANSMISSION PROVIDES 4 FORWARD SPEEDS AND 1 REVERSE. THE TRUCK IS AIR TRANSPORTABLE, BUT NOT AIRDROPPABLE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-21-A
 NOMEN: TRUCK, CARGO, 1-TON 4X4

CATALOG: TB-381-5-22
 (OLD 16-2320-4-21)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 08AUG73

PRODUCED/ADOPTED: 1956 TO ?/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 2453
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 1031.
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 3484
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?
 PERSONNEL LOAD (NR) ----- 13
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 1001.
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VECHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5282
 WIDTH O/ALL ----- 1899
 HEIGHT O/ALL ----- 2198
 CARGO SPACE-
 -LENGTH ----- 2550
 -WIDTH ----- 1698.
 -HGT OF SIDES ----- 500
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 3200
 GROUND CLEARANCE ----- 260.
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 50
 TURNING RADIUS (MM) ----- 7598.6
 FORDING DEPTH (MM) ----- 762
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 23.5
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 386
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 95
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) --- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- 6 M 2.4
 TYPE ----- 6 CYL, 4 CYCLE, IN LINE
 MAX HP AT RPM ----- 82 AT 4500
 MAX TORQUE (KGM) ----- 16 AT 2200
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 78
 STROKE (MM) ----- 81.5
 DISPLACEMENT (LITERS) 2.337

FOM NR ----- 2805-16-1-2

GENERAL DATA:

TIRES-
 -SIZE ----- 9.00 BY 16
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 91
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) --- ?

REMARKS:

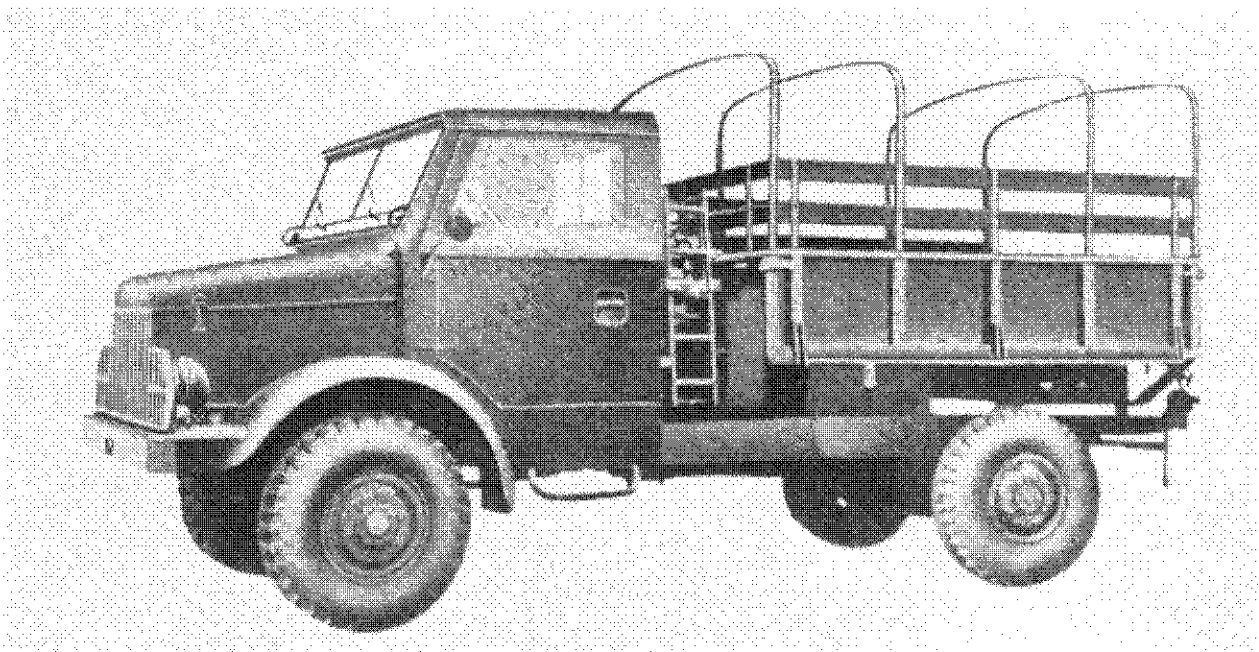
DATE CATALOGED: 01JUN66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-21-B
NOMEN: TRUCK, CARGO, 1-TON 4X4
PRODUCED/ADOPTED: 1956 TO ?/

CATALOG: TB-381-5-22
(OLD 16-2320-4-21)
COUNTRY: WEST GERMANY
DATE UPDATED: 08AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-16-4-21-B
NOMEN: TRUCK, CARGO, 1-TON 4X4

PRODUCED/ADOPTED: 1956 TO ??

CATALOG: TB-381-5-22
(OLD 16-2320-4-21)
COUNTRY: WEST GERMANY
DATE UPDATED: 08AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-22-A

CATALOG: T6-381-5-22

NOMEN: TRUCK, COMMAND-TYPE, 1-TON, 4X4

IOLD 16-2320-4-221

NATIVE DES: LASTKRAFTWAGEN, KUBEL, 3/4-TONNER, 4 X 4
PRODUCED/ADOPTED: 1955 TO ?/COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

(U)THIS COMMAND-TYPE CAR, MANUFACTURED BY C.F.W. BORGWARD G.M.B.H., BREMEN, WEST GERMANY, IS USED BY THE BUNDESWEHR AS A STAFF VEHICLE, AS A COMMUNICATIONS VAN, AS A TOW TRUCK FOR LIGHT ARTILLERY, AND IN AIRBORNE OPERATIONS, ALTHOUGH IT IS NOT AIRDROPPABLE. THE PASSENGER SEATS ARE ARRANGED BACK TO BACK SO THAT EACH SECTION CAN BE FOLDED TO ACCOMMODATE EXTRA EQUIPMENT. A LARGE TOOL BOX IS MOUNTED IN THE REAR OF THE VAN. PROVISIONS ARE MADE FOR RADIO INSTALLATIONS, CURRENT RELAYS, AND ANTENNA. A HINGED WINDSHIELD AND A FOLDDOWN CANVAS TOP WITH WINDOW INSERTS PROVIDE ALL-WEATHER PROTECTION.

(U)THE CHASSIS IS SUPPLIED WITH VARIOUS BODY STYLES, SUCH AS THE BUCKET TYPE (SHOWN IN THE ILLUSTRATION), A VAN, A FLATBED, AND ONE WITH A CLOSED COMPACT DRIVER'S COMPARTMENT WITH OBSERVER'S CUPOLA ABOVE THE CO-DRIVER'S SEAT. THIS CAN BE FITTED WITH A RINGMOUNT FOR A MACHINEGUN, IF DESIRED.

(U)THE SUSPENSION SYSTEM CONSISTS OF SEMIELLIPTIC, LAMINATED LEAF SPRINGS, WITH OVERLOAD SPRINGS IN THE REAR, AND DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS. THE MANUAL, SLIDING-GEAR TRANSMISSION PROVIDES 4 SPEEDS FORWARD AND 1 REVERSE. A 2-SPEED TRANSFER CASE IS PROVIDED FOR CROSS-COUNTRY OPERATION.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-22-A
NOMEN: TRUCK, COMMAND-TYPE, 1-TON, 4X4

CATALOG: TB-381-5-22
(OLD 16-2320-4-22)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1955 TO ??

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 2470
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 1030
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 3500
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- ?
-EMPTY REAR ----- ?
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY - ?
-LOADED REAR ON HWY - ?
PERSONNEL LOAD (NR) ----- 9
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- 1000
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5282
WIDTH O/ALL ----- 1900
HEIGHT O/ALL ----- 2150
CARGO SPACE-
-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A
TREAD, C TO C-
-FRONT ----- ?
-REAR ----- ?
WHEELBASE ----- 3180
GROUND CLEARANCE ----- 260
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 50
TURNING RADIUS (MM) ----- ?
FORDING DEPTH (MM) ----- 750
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 22.5
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 400
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 80
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- ?
ANGLE OF DEPARTURE (DEG) ---- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- 6 M 2.4
TYPE ----- 6 CYLINDER, IN LINE
MAX HP AT RPM ----- 82 AT 4000
MAX TORQUE (KGM) ----- 16.5 AT ?
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 78
STROKE (MM) ----- 81.5
DISPLACEMENT (LITERS) 2.29

FOM NR ----- 2805-16-1-2

GENERAL DATA:

TIRES-
-SIZE ----- 9.00 BY 16
-PLY ----- ?
-TYPE ----- ?
-LOADED RADIUS (MM) - ?
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 90
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- HYDRAULIC
-PARKING TYPE ----- ?
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS
TRANSMISSION-
-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 4/1
TRANSFER, NR SPEEDS --- ?
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 24
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

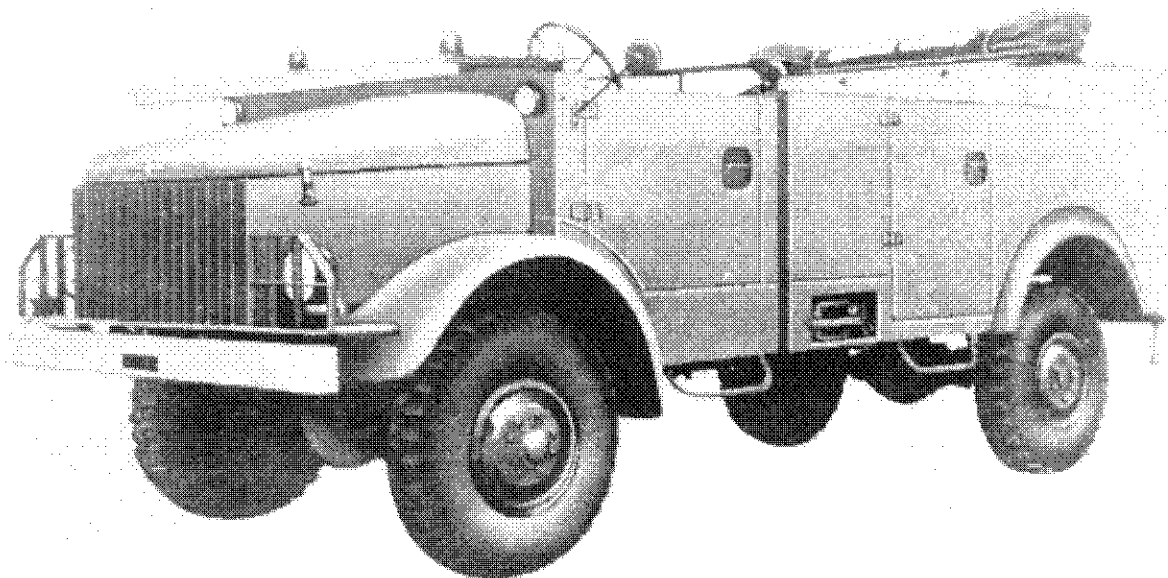
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-22-B
NOMEN: TRUCK, COMMAND-TYPE, 1-TON, 4X4
PRODUCED/ADOPTED: 1955 TO ??

CATALOG: TB-381-5-22
EOLD 16-2320-4-22:
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-16-4-22-B

NOMEN: TRUCK, COMMAND-TYPE, 1-TON, 4X4

PRODUCED/ADOPTED: 1955 TO ??

CATALOG: TB-381-5-22

OLD 16-2320-4-22)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-23-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 3-TON 4 X 4 G 398SAM

(OLD 16-2320-4-23)

NATIVE DES: LASTKRAFTWAGEN PRITSCH 3-TONNER 4 X 4, G 398 SAM
PRODUCED/ADOPTED: 1957 TO DATE

COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

(U)THE G 398 SAM ALL-PURPOSE CROSS-COUNTRY MILITARY TRUCK, MANUFACTURED BY FORD WERKE A.G., KOLN-NIEHL (COLOGNE), WEST GERMANY, IS USED IN THE FOLLOWING ROLES: TRANSPORT FOR EQUIPMENT AND PERSONNEL, COMMUNICATIONS TRUCK, OFFICE AND MAINTENANCE VEHICLE, FIELD KITCHEN, TOPOGRAPHIC UNIT TRUCK, AND TOW TRUCK.

(U)THE CARGO BODY, EQUIPPED WITH REMOVABLE BOWS AND TARPULIN, PROVIDES SEATS FOR 17 FULLY EQUIPPED TROOPS. IT IS FITTED WITH FULL-LENGTH FOLDING SEATS, AND WITH REMOVABLE SIDES AND BACK WALL WHICH CAN BE STOWED WITHOUT INTERFERING WITH THE LOAD DIMENSIONS. A SPECIAL BODY CAN BE FURNISHED TO MAKE IT A DROPSIDE TRUCK OR A 3-WAY DUMP TRUCK. A DOUBLE-ACTING FRONT-MOUNTED WINCH, OPERATED FROM THE CAB BY A REVERSIBLE AUXILIARY GEAR, IS OPTIONAL.

(U)THE CHASSIS IS SUPPORTED BY SEMIELLIPTIC, LAMINATED LEAF SPRINGS SUPPLEMENTED BY DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS. OVERLOAD SPRINGS ARE PROVIDED ON THE REAR AXLE. THE 4-WHEEL HYDRAULIC BRAKING SYSTEM IS ASSISTED BY AN AIR-PRESSURE BOOSTER. THE TRUCK HAS A MANUAL, SLIDING-GEAR TRANSMISSION PROVIDING 4 FORWARD SPEEDS AND 1 REVERSE, AND A 2-SPEED TRANSFER CASE TO MEET VARIOUS DRIVING REQUIREMENTS.

(U)THE DEFENSE MINISTRY ADOPTED THIS VEHICLE FOR THE BUNDESWEHR IN 1957.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-23-A
NOMEN: TRUCK, CARGO, 3-TON 4 X 4 G 398SAM

CATALOG: TB-381-5-22
(OLD 16-2320-4-23)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1957 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4378
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 3003
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 7381
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 2364
-EMPTY REAR ----- 2014
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY -- ?
-LOADED FRONT ON HWY -- 3321
-LOADED REAR ON HWY --- 4060
PERSONNEL LOAD (NR) ----- 2 IN CAB
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- 4500
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7287
WIDTH O/ALL ----- 2439
HEIGHT O/ALL ----- 3140
CARGO SPACE-
-LENGTH ----- 4238
-WIDTH ----- 2256
-HGT OF SIDES ----- 500
TREAD, C TO C-
-FRONT ----- ?
-REAR ----- ?
WHEELBASE ----- 4013
GROUND CLEARANCE ----- 320
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60
TURNING RADIUS (MM) ----- 10,595
FORDING DEPTH (MM) ----- 1512
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 30.3
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 355
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 80.5
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- ?
ANGLE OF DEPARTURE (DEG) --- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- G 39 SAM
TYPE ----- V-8, 4 STROKE
MAX HP AT RPM ----- 92 AT 3600
MAX TORQUE (KGM) ----- ?
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 81
STROKE (MM) ----- 95
DISPLACEMENT (LITERS) 3.9

FOM NR ----- 2805-16-1-3

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 X 20
-PLY ----- 14
-TYPE ----- ?
-LOADED RADIUS (MM) - 510
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 107.8
-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
-PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL, SYNCHROMESH
-NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24 (2 12V BATTERIES)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

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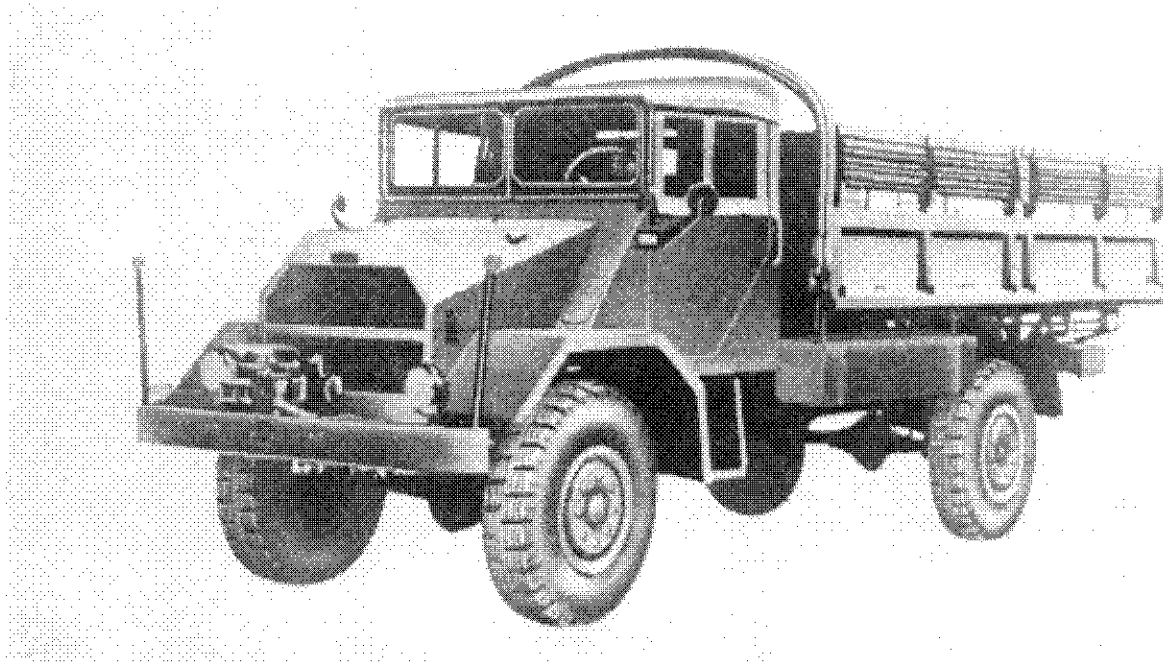
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U N C L A S S I F I E D

FOM-2320-16-4-23-B
NOMEN: TRUCK, CARGO, 3-TON 4 X 4 G 398SAM

CATALOG: TB-381-5-22
(OLD 16-2320-4-23)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1957 TO DATE



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-23-B

NOMEN: TRUCK, CARGO, 3-TON 4 X 4 G 398SAM

PRODUCED/ADOPTED: 1957 TO DATE

CATALOG: TB-381-5-22

(OLD 16-2320-4-23)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FOM-2320-16-4-24-A

U N C L A S S I F I E D

CATALOG: T8-381-5-22

NOMEN: TRUCK, CARGO, 5-TON, 4X4, LG 315/46

IOL 16-2320-4-241

NATIVE DES: LASTKRAFTWAGEN, PRITSCH, 5-TONNER 4X4 LG 315/46
PRODUCED/ADOPTED: 1959 TO DATECOUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

(U)THE LG315/46, 5-TON, 4 X 4 CARGO TRUCK IS MANUFACTURED BY DAIMLER-BENZ A.G., STUTTGART-UNTERTURKHEIM WERK, GAGGENAU, WEST GERMANY. IT IS USED BY THE WEST GERMAN BUNDESWEHR AS A CARGO TRUCK AND PERSONNEL CARRIER. ITS CAB CAN SEAT THREE PERSONS AND THE OBSERVER'S CUPOLA IN THE ROOF CAN BE FITTED WITH A RINGMOUNT FOR A MACHINEGUN. THE STEEL CARGO BODY IS EQUIPPED WITH TWO FOLDING, REMOVABLE PERSONNEL BENCHES, FIVE DETACHABLE TUBULAR BOWS, AND A CANVAS COVER WITH FOUR WINDOWS ON EACH SIDE CONTAINING BLACKOUT CURTAINS.

(U)THIS ALL-WHEEL-DRIVE CROSS-COUNTRY TRUCK HAS A SPECIAL FRONT BUMPER BAR EQUIPPED WITH A TOWING JAW TO ACCOMMODATE THE SPECIAL NATO TOWHOOK. THE 2F GEMMER STEERING SYSTEM IS HYDRAULICALLY ASSISTED, AND CONTAINS A WHEEL-POSITION INDICATOR. THE 24-VOLT LIGHTING SYSTEM CONFORMS TO THE GERMAN ROAD TRAFFIC ACT, AND UTILIZES THE NECESSARY BLACKOUT LIGHTS. THE SPARE WHEEL CARRIER IS LOCATED BETWEEN THE CAB AND THE BODY. IT IS PIVOTED TO THE VEHICLE FRAME, AND CAN BE MECHANICALLY LOWERED TO THE GROUND.

(U)THE LG 315/46 HAS A MANUAL, SLIDING-GEAR TRANSMISSION PROVIDING 6 FORWARD SPEEDS AND 1 REVERSE, AND A 2-SPEED TRANSFER CASE. THE SUSPENSION SYSTEM CONSISTS OF SEMIELLIPTIC, LAMINATED LEAF SPRINGS WITH OVERLOAD SPRINGS ON THE REAR, AND DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS. THE HYDRAULIC BRAKING SYSTEM ON ALL WHEELS IS AIR PRESSURE ASSISTED, AND CAN BE USED FOR SINGLE-OR TWIN-LEAD TRAILER BRAKES.

(U)THE TRUCK IS EQUIPPED WITH AN OM 315V, LIQUID-COOLED, 6-CYLINDER, 4-CYCLE MULTIFUEL ENGINE WITH EXHAUST-DRIVEN TURBOSUPERCHARGER. THE ENGINE USES THE PRECOMBUSTION-CHAMBER SYSTEM, AND THE MANUFACTURER CLAIMS THAT IT WILL OPERATE "IN A SATISFACTORY MANNER AND WITH EQUAL EFFICIENCY" ON FUELS RANGING FROM PREMIUM-GRADE COMMERCIAL GASOLINE THROUGH THE LOWER DISTILLATES TO DIESEL FUELS. IT WILL ALSO OPERATE ON LUBRICATING OILS IF THE AMBIENT TEMPERATURE IS AT A LEVEL FOR PROPER VISCOSITY. DAIMLER-BENZ HAS BEEN HAVING TROUBLE WITH ITS MULTIFUEL ENGINES, HOWEVER, AND, ALTHOUGH SUCH ENGINES ARE BEING USED IN SOME MILITARY VEHICLES, THEY PROBABLY ARE BEING OPERATED ON DIESEL FUEL.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-24-A
 NOMEN: TRUCK, CARGO, 5-TON, 4X4, LG 315/46

CATALOG: TB-381-5-22
 (OLD 16-2320-4-24)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADDPED: 1959 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 7600
 -PAYLOAD OFF HWY ----- 2500
 -PAYLOAD ON HWY ----- 5000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 10,100
 -GROSS ON HWY ----- 12,600
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 3648
 -EMPTY REAR ----- 3952
 -LOADED FRONT OFF HWY -- 4040
 -LOADED REAR OFF HWY -- 6060
 -LOADED FRONT ON HWY -- 5010
 -LOADED REAR ON HWY --- 7590

PERSONNEL LOAD (NR) ----- 17

MAX TOWED LOAD (KG)-

-OFF HWY ----- 7
 -ON HWY ----- 10,000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 8100
 WIDTH O/ALL ----- 2500
 HEIGHT O/ALL ----- 3100
 CARGO SPACE-
 -LENGTH ----- 4500
 -WIDTH ----- 2350.0
 -HGT OF SIDES ----- 500
 TREAD, C TO C-
 -FRONT ----- 2002
 -REAR ----- 2005
 WHEELBASE ----- 4597
 GROUND CLEARANCE ----- 419
 PINTLE HEIGHT ----- 965
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 7
 TURNING RADIUS (MM) ----- 9600
 FORDING DEPTH (MM) ----- 850
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 15.7
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 891
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 70
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 34 DEG
 ANGLE OF DEPARTURE (DEG) --- 34
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- OM315V
 TYPE ----- 6 CYL, 4 STROKE
 MAX HP AT RPM ----- 145 AT 2100
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- MULTIFUEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 112
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 8.276

FOM NR ----- 2895-16-1-3

GENERAL DATA:

TIRES-

-SIZE ----- 14.00 BY 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 595
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 140.0
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 6/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-24-8

NOMEN: TRUCK, CARGO, 5-TON, 4X4, LG 315/46

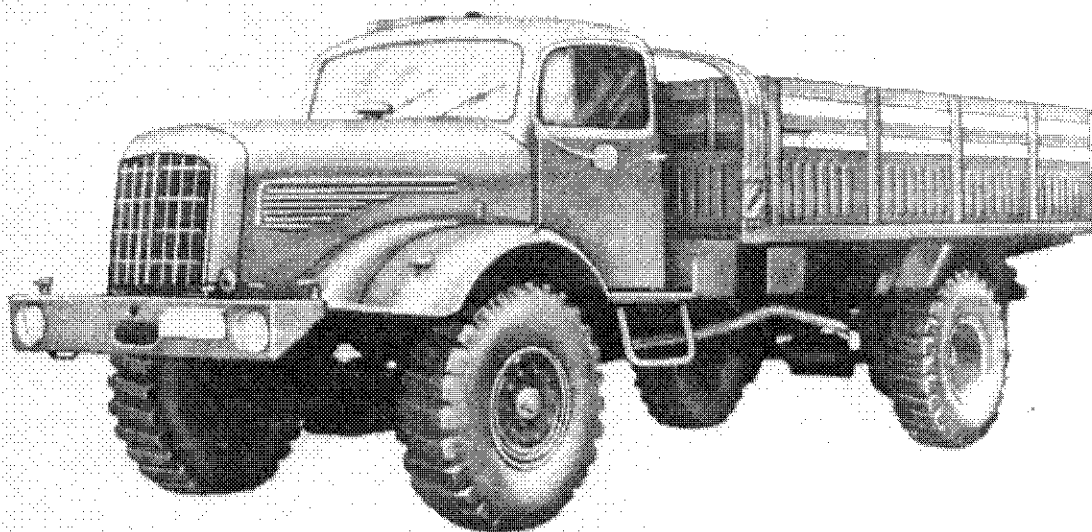
PRODUCED/ADOPTED: 1959 TO DATE

CATALOG: T8-381-5-22

(OLD 16-2320-4-24)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-24-B

NOMEN: TRUCK, CARGO, 5-TON, 4X4, LG 315/46

PRODUCED/ADOPTED: 1959 TO DATE

CATALOG: TB-381-5-22

(OLD 16-2320-4-24)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-25-A

CATALOG: T8-381-5-22

NOMEN: TRUCK CARGO, 5-TON, 4X4, 630L2A

IULD 16-2320-4-251

NATIVE DES: LASTKRAFTWAGEN, PRITSCH, 5-TONNER, 4X4, 630L2A
PRODUCED/ADOPTED: 1959-1964/COUNTRY: WEST GERMANY
DATE UPDATED: 06SEP73

(U)THE 630L2A 5-TON CARGO TRUCK WAS MANUFACTURED BY MASCHINENFABRIK AUGSBURG-NUERNBERG (M.A.N.), NUERNBERG, WEST GERMANY. IT IS A 4-WHEEL-DRIVE VEHICLE DESIGNED TO TRANSPORT MILITARY PERSONNEL AND MATERIAL. IT IS ALSO USED TO TOW A CARGO TRAILER. THE TRUCK HAS AN OPEN MILITARY CAB WITH A COLLAPSIBLE CANVAS COVER AND A FOLDDOWN WINDSHIELD. THE STEEL CARGO PLATFORM HAS FIVE REMOVABLE TUBULAR STEEL BOWS SUPPORTING A FOLDING CANVAS COVER WITH FOUR WINDOWS ON EACH SIDE. THREE REMOVABLE BENCHES ON THE PLATFORM WILL SEAT 15 TROOPS WITH EQUIPMENT. THE TRUCK IS POWERED WITH AN INLINE, 6-CYLINDER, 4-CYCLE, 130-HORSEPOWER, WATER-COOLED MULTIFUEL ENGINE, AND IS SUPPLIED WITH WINCHES AT FRONT AND REAR, FOR TOWING.

(U)THE FRONT-WHEEL DRIVE CAN BE ENGAGED AND DISENGAGED BY USING THE 2-SPEED TRANSFER CASE WHICH ALSO PROVIDES HIGH- AND LOW-RANGE GEARING. THE MANUAL TRANSMISSION HAS SLIDING GEARS PROVIDING 6 FORWARD SPEEDS AND 1 REVERSE. TWIN CABLE AIR BRAKES, USED ON ALL WHEELS, CAN BE USED FOR SINGLE- OR TWIN-LEAD TRAILER BRAKES. THE SUSPENSION SYSTEM CONSISTS OF SEMIELLIPTIC, LAMINATED LEAF SPRINGS, WITH OVERLOAD SPRINGS IN THE REAR, AND DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS. DUAL REAR WHEELS ARE FITTED.

(U)THIS TRUCK IS CLASSIFIED AS OBSOLETE, BUT IT IS STILL IN LIMITED USE IN THE WEST GERMAN BUNDES-WEHR AS A REPAIR SHOP TRUCK AND AS A CARGO TRUCK.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-25-A
NOMEN: TRUCK CARGO, 5-TON, 4X4, 630L2A

CATALOG: TB-381-5-22
(OLD 16-2320-4-25)
COUNTRY: WEST GERMANY
DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1959-1964/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 7250
-PAYLOAD OFF HWY ----- 5275
-PAYLOAD ON HWY ----- 5756
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- 12533
-GROSS ON HWY ----- 13000
-GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
-EMPTY REAR ----- ?
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY - 5000
-LOADED REAR ON HWY - 8000

PERSONNEL LOAD (NR) ----- 18

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
-ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7896
WIDTH O/ALL ----- 2500
HEIGHT O/ALL ----- 2835

CARGO SPACE-

-LENGTH ----- 4512
-WIDTH ----- 2348
-HGT OF SIDES ----- 500

TREAD, C TO C-

-FRONT ----- 2052
-REAR ----- 1784

WHEELBASE ----- 4597

GROUND CLEARANCE ----- 350.5

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
TURNING RADIUS (MM) ----- 9570
FORDING DEPTH (MM) ----- 853.4
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 19.5
-WATER (L/HK) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 666
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 70.5
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- ?
ANGLE OF DEPARTURE (DEG) --- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- MAN/D1246M2
TYPE ----- 6 CYL, 4 STROKE
MAX HP AT RPM ----- 130 AT 2000
MAX TORQUE (KGM) ----- 52 AT 1300
FUEL TYPE ----- MULTIFUEL
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 112
STROKE (MM) ----- 140
DISPLACEMENT (LITERS) 8.276

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 BY 20
-PLY ----- 14
-TYPE ----- ?
-LOADED RADIUS (MM) - 510
-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 130
-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- AIR
-PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 6/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24

WINCH-TYPE ----- MECHANICAL (2)

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

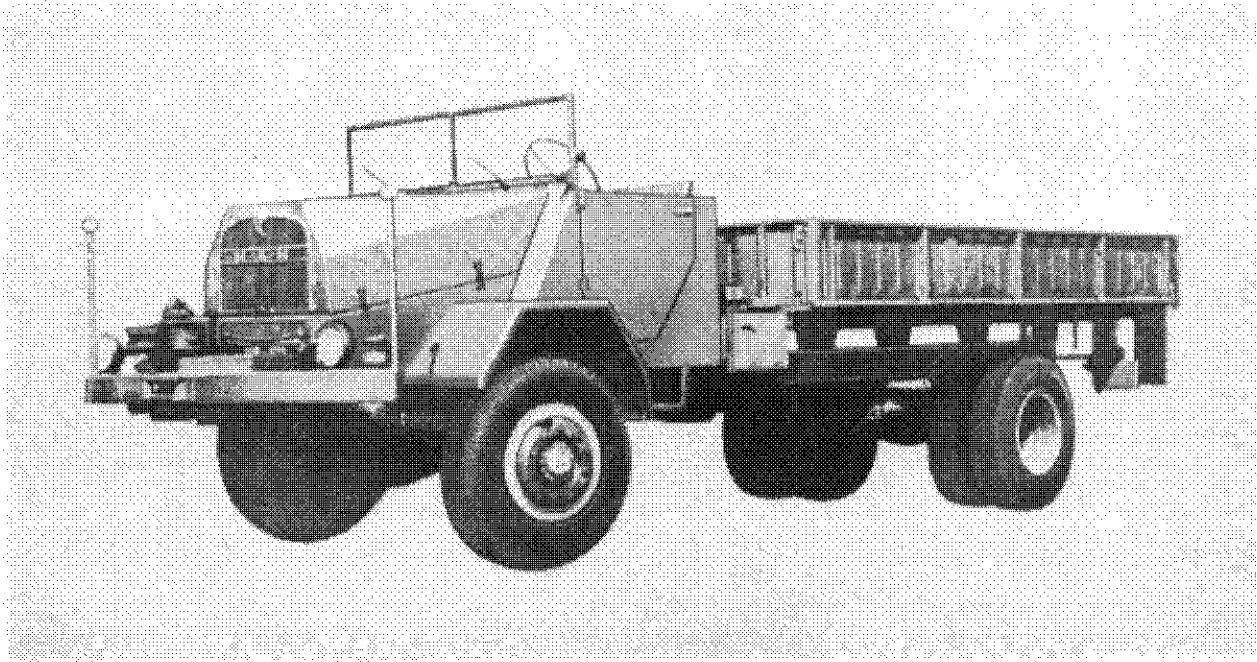
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-25-B
NOMEN: TRUCK CARGO, 5-TON, 4X4, 63DL2A
PRODUCED/ADOPTED: 1959-1964/

CATALOG: T8-381-5-22
(OLD 16-2320-4-25)
COUNTRY: WEST GERMANY
DATE UPDATED: 06SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-25-8
NOMEN: TRUCK CARGO, 5-TON, 4X4, 630L2A

CATALOG: TB-391-5-22
(OLD 16-2320-4-25)
COUNTRY: WEST GERMANY
DATE UPDATED: 06SEPT3

PRODUCED/ADOPTED: 1959-1964/

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-28-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 7-TON, 4X4, S/A 7500 JUPITER

(OLD 16-2320-4-28)

NATIVE DES: #1

COUNTRY: WEST GERMANY

PRODUCED/ADOPTED: 1956-1964/

DATE UPDATED: 30AUG73

(U)THIS 4-WHEEL-DRIVE, 7-TON S/A 7500 JUPITER TRUCK WAS MANUFACTURED BY KLOCKNER-HUMBOLDT-DEUTZ A.G., ULM WEST GERMANY. POWERED BY A V-8, 4-CYCLE, 170-HORSEPOWER, AIR-COOLED DIESEL, IT IS USED AS A TROOP TRANSPORT AND CARGO CARRIER. AS A PRIME MOVER IT IS OFTEN UTILIZED FOR TOWING FIELD PIECES, HEAVY GUNS, AND ANTIAIRCRAFT ARTILLERY. THE OPEN, STEEL DRIVER'S COMPARTMENT HAS A REMOVABLE CANVAS TOP AND FOLDDOWN WINDSHIELD TO OFFER A REDUCED SILHOUETTE. THE ALL-STEEL CARGO BODY IS EQUIPPED WITH DETACHABLE SIDEBOARDS AND INSERT GRATINGS, A DROP TAILGATE, REMOVABLE BOWS AND TARPULIN, AND FOLDING PERSONNEL BENCHES. WITH TOP REMOVED AND WINDSHIELD FOLDED, AND WITHOUT INSERT GRATINGS, THE OVERALL HEIGHT IS REDUCED FROM 2760 TO 2136 MILLIMETERS.

(U)THE MANUAL TRANSMISSION IS EQUIPPED WITH 6 FORWARD SPEEDS. THE 2-SPEED TRANSFER CASE HAS A HIGH AND A LOW RANGE, BUT THE FRONT-WHEEL DRIVE IS NOT DISENGAGEABLE. AIR BRAKES ARE PROVIDED FOR ALL FOUR WHEELS, WHILE MECHANICAL PARKING BRAKES ARE PROVIDED FOR THE DUAL REAR WHEELS. SEMIELLIPTIC, LAMINATED LEAF SPRINGS, WITH OVERLOAD SPRINGS ON THE REAR AXLE, AND DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS FOR ALL FOUR SPRINGS MAKE UP THE SUSPENSION SYSTEM.

(U)THIS VEHICLE IS NO LONGER IN PRODUCTION, BUT IT IS STILL IN LIMITED USE BY THE BUNDESWEHR.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-16-4-28-A
NOMEN: TRUCK, CARGO, 7-TON, 4X4, S/A 7500 JUPITER

CATALOG: T8-381-5-22
(OLD 16-2320-4-28)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1956-1964/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 6800
-PAYLOAD OFF HWY ----- 7400
-PAYLOAD ON HWY ----- 7400
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- 14200
-GROSS ON HWY ----- 14200
-GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 3264
-EMPTY REAR ----- 3536
-LOADED FRONT OFF HWY - 4600
-LOADED REAR OFF HWY - 9600
-LOADED FRONT ON HWY - 4600
-LOADED REAR ON HWY - 9600

PERSONNEL LOAD (NR) ----- 15

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
-ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8000
WIDTH O'ALL ----- 2500
HEIGHT O'ALL ----- 2956

CARGO SPACE-

-LENGTH ----- 5000
-WIDTH ----- 2350
-HGT OF SIDES ----- 600

TREAD, C TO C-

-FRONT ----- 1930
-REAR ----- 1780

WHEELBASE ----- 4800

GROUND CLEARANCE ----- 253

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
TURNING RADIUS (MM) ----- 9479
FORDING DEPTH (MM) ----- 853

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 21.6
-WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 701
-WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 73
-WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- FBL 614
TYPE ----- V-8, 4 STROKE
MAX HP AT RPM ----- 170 AT 2300
MAX TORQUE (KGM) ----- 62 AT 1200
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - AIR
BORE (MM) ----- 110
STROKE (MM) ----- 140
DISPLACEMENT (LITERS) 10.644

FDM NR ----- 2015-16-1-7

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 8Y 20
-PLY ----- 14
-TYPE ----- ?
-LOADED RADIUS (MM) - 510
-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 150
-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- AIR
-PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL, NONSYNCHROMESH
-NR SPEEDS FWD/RVSE - 6/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

1/ LASTKRAFTWAGEN, PRIITSCHE, 7-TONNER, 4X4,
JUPITER

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-16-4-28-B

NOMEN: TRUCK, CARGO, 7-TON, 4X4, S/A 7500 JUPITER

PRODUCED/ADOPTED: 1956-1964/

CATALOG: 18-381-5-22

(OLD 16-2320-4-28)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73

NO PICTURE AVAILABLE

DATE CATALOGED: 01JUN66

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-20-B
NOMEN: TRUCK, CARGO, 7-TON, 4X4, S/A 7500 JUPITER
PRODUCED/ADOPTED: 1956-1964/

CATALOG: TB-381-5-22
(OLD 16-2320-4-20)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-16-4-31-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 10-TON, 6X6 LK 908A

(DLO 16-2320-4-31)

NATIVE DES: LASTKRAFTWAGEN, PRITSCH, 10 TONNER 6X6 LK 908A
PRODUCED/ADOPTED: 1959-1964/COUNTRY: WEST GERMANY
DATE UPDATED: 03AUG73

(U)THE LK 908 A 10-TON CARGO TRUCK, MANUFACTURED BY FAUN WERKE A.G., NURNBERG, WEST GERMANY, IS AN ALL-WHEEL-DRIVE, 3-AXLE, CROSS COUNTRY CARGO TRANSPORTER, PERSONNEL CARRIER, AND RECOVERY VEHICLE. A REMOVABLE CANVAS COVER WITH THREE WINDOWS ON EACH SIDE IS SUPPORTED BY FOUR REMOVABLE BOWS TO PROVIDE THE CARGO AREA WITH ALL-WEATHER PROTECTION. FOLDING BENCHES ON EACH SIDE OF THE CARGO AREA PROVIDE TEMPORARY SEATING FOR 20 TROOPS WITH EQUIPMENT, 10 ON EACH SIDE.

(U)THE VEHICLE IS EQUIPPED WITH AN AIR-COOLED, V-8 DIESEL ENGINE MANUFACTURED BY KLOCKNER-HUMBOLDT-DEUTZ A.G., KOLN, WEST GERMANY. A 2-SPEED TRANSFER CASE PROVIDES HIGH AND LOW RANGES, AS WELL AS MEANS FOR ENGAGING AND DISENGAGING THE FRONT-WHEEL DRIVE. THE MANUAL, SLIDING-GEAR TRANSMISSION PROVIDES 6 FORWARD SPEEDS AND 1 REVERSE.

(U)THE SUSPENSION SYSTEM CONSISTS OF SEMIELLIPTIC, LAMINATED LEAF SPRINGS IN FRONT AND BACK. THOSE IN THE BACK ARE HEAVY DUTY WITH OVERLOAD-SPRING SUPPORT. DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS ARE FITTED IN FRONT. THE HYDRAULIC BRAKING SYSTEM IS AIR ASSISTED. IT CAN BE ATTACHED TO SINGLE- OR TWIN-LEAD TRAILER BRAKES. A POWER WINCH IS MOUNTED ON THE FRONT OF THIS VEHICLE.

(U)THIS TRUCK IS LISTED AS OBSOLETE, BUT IT IS STILL IN LIMITED USE BY THE WEST GERMAN BUNDESWEHR.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2320-16-4-31-A
 NOMEN: TRUCK, CARGO, 10-TON, 6X6 LK 908A

CATALOG: TB-381-5-22
 (OLD 16-2320-4-31)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 03AUG73

PRODUCED/ADOPTED: 1959-1964/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 10400
 -PAYLOAD OFF HWY ----- 10,000
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 20,400
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 4992
 -EMPTY REAR ----- 5408
 -LOADED FRONT OFF HWY ----- 7140
 -LOADED REAR OFF HWY ----- 13,260
 -LOADED FRONT ON HWY ----- ?
 -LOADED REAR ON HWY ----- ?
 PERSONNEL LOAD (NR) ----- 23
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 10,000
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7149
 WIDTH O/ALL ----- 2500
 HEIGHT O/ALL ----- 2860
 CARGO SPACE-
 -LENGTH ----- 3298
 -WIDTH ----- 2350
 -HGT OF SIDES ----- 500
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 4249
 GROUND CLEARANCE ----- 400
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WML ----- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) ----- ?
 TURNING RADIUS (MM) ----- 8800
 FORDING DEPTH (MM) ----- 945
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 22
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 610
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 68
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ----- ?
 ANGLE OF DEPARTURE (DEG) ----- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- F 8L 614
 TYPE ----- V-8, 4 STROKE
 MAX HP AT RPM ----- 170 AT 2300
 MAX TORQUE (KGM) ----- 62 AT 1200
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 110
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 10.64

FQM NR ----- 2815-16-1-7

GENERAL DATA:

TIRES-
 -SIZE ----- 14.00 BY 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 595
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 135
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC, AIR ASSIST
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 6/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24
 WINCH-TYPE ----- MECHANICAL
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) --- ?

REMARKS:

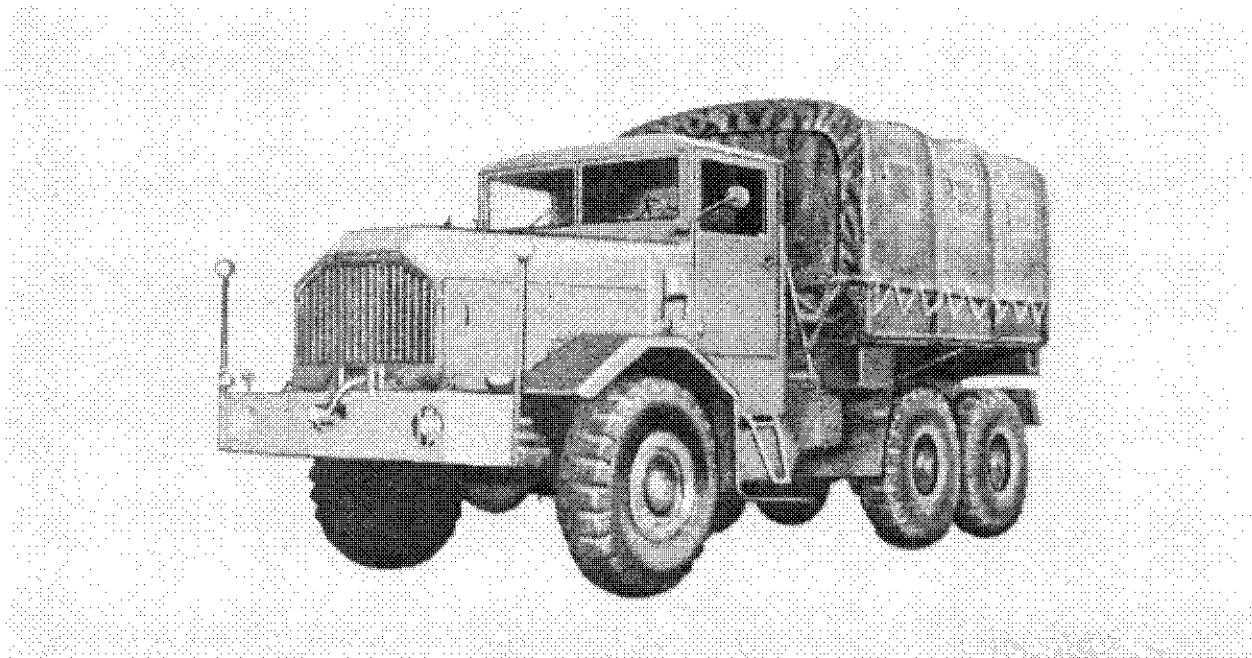
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-31-8
NOMEN: TRUCK, CARGO, 10-TON, 6X6 LK 908A
PRODUCED/ADOPTED: 1959-1964/

CATALOG: TB-381-5-22
(OLD 16-2320-4-31)
COUNTRY: WEST GERMANY
DATE UPDATED: 03AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-31-B
NOMEN: TRUCK, CARGO, 10-TON, 6X6 LK 908A
PRODUCED/ADOPTED: 1959-1964/

CATALOG: TB-381-5-22
(OLD 16-2320-4-31)
COUNTRY: WEST GERMANY
DATE UPDATED: 03AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-16-4-32-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, CARGO, 3-TON, 4X4, MERCEDES-BENZ LA911 (LA328)

(OLD 16-2320-4-32)

NATIVE DES: LASTKRAFTWAGEN, 3-TONNE, 4X4, MERCEDES-BENZ LA911 (LA328) COUNTRY: WEST GERMANY

PRODUCED/ADOPTED: 1966 TO DATE

DATE UPDATED: 30AUG73

(U)THE MERCEDES-BENZ LA 911 (LA 328), MANUFACTURED BY DAIMLER-BENZ A.G., MANHEIM, WEST GERMANY, FILLS A MILITARY NEED FOR A MEDIUM-CLASS, 4 X 4, CROSS-COUNTRY VEHICLE FOR TRANSPORTING PERSONNEL AND CARGO AND AS AN ARTILLERY PRIME MOVER FOR USE OVER ROUGH TERRAIN. IT IS ALSO AVAILABLE WITH EITHER A 120-HORSEPOWER GASOLINE OR 110-HORSEPOWER MULTIFUEL ENGINE.

(U)THE TRUCK HAS SINGLE TIRES ON THE REAR. A TRANSFER CASE AFFORDS LOW AND MEDIUM RANGES AS WELL AS ALLOWING THE FRONT WHEEL DRIVE TO BE ENGAGED AND DISENGAGED.

(U)THE SUSPENSION SYSTEM CONSISTS OF LONGITUDINALLY MOUNTED SEMIELLIPTIC, LAMINATED LEAF SPRINGS WITH DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS IN FRONT AND OVERLOAD SPRINGS IN THE REAR. SINGLE- AND TWIN-HYDRAULIC CONNECTORS ARE PROVIDED FOR ATTACHMENT TO THE TRAILER BRAKING SYSTEM.

(U)THE ESSENTIAL COMPONENTS OF THIS TRUCK ARE COMMON WITH THOSE OF COMMERCIAL MERCEDES-BENZ TRUCKS OF THIS CLASS, GREATLY IMPROVING DRIVER MAINTENANCE AND AVAILABILITY OF SPARE PARTS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-32-A
 NOMEN: TRUCK, CARGO, 3-TON, 4X4, MERCEDES-BENZ LA911 (LA328)

CATALOG: TB-381-5-22
 (OLD 16-2320-4-32)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1966 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4462
 -PAYLOAD OFF HWY ----- 3500
 -PAYLOAD ON HWY ----- 4040
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 7962
 -GROSS ON HWY ----- 8502
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2140
 -EMPTY REAR ----- 2322
 -LOADED FRONT OFF HWY -- 2788
 -LOADED REAR OFF HWY -- 5174
 -LOADED FRONT ON HWY -- 2976
 -LOADED REAR ON HWY -- 5526

PERSONNEL LOAD (NR) ----- 3 IN FRONT 14 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- 4000
 -ON HWY ----- 8000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6098
 WIDTH O/ALL ----- 2439
 HEIGHT O/ALL ----- 2590
 CARGO SPACE-

-LENGTH ----- 3659
 -WIDTH ----- 2195
 -HGT OF SIDES ----- 488

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 3600

GROUND CLEARANCE ----- 264

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 71

TURNING RADIUS (MM) ----- 8521

FORDING DEPTH (MM) ----- 851

FUEL CONS., LOADED -

-ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 82
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) 2

ENGINE:

MODEL ----- OM321
 TYPE ----- 6 CYL, 4 STROKE
 MAX HP AT RPM ----- 120 AT 3000
 MAX TORQUE (KGM) ---- 32 AT 1600
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 95
 STROKE (MM) ----- 120
 DISPLACEMENT (LITERS) 5.13

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 BY 20

-PLY ----- 12

-TYPE ----- ?

-LOADED RADIUS (MM) - 500

-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 100

-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC W/AIR ASSIST

-PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS

-REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL SYNCHROMESH

-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A

-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24 (TWO 12V BATTERIES)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-32-B

NOMEN: TRUCK, CARGO, 3-TON, 4X4, MERCEDES-BENZ LA911 (LA328)

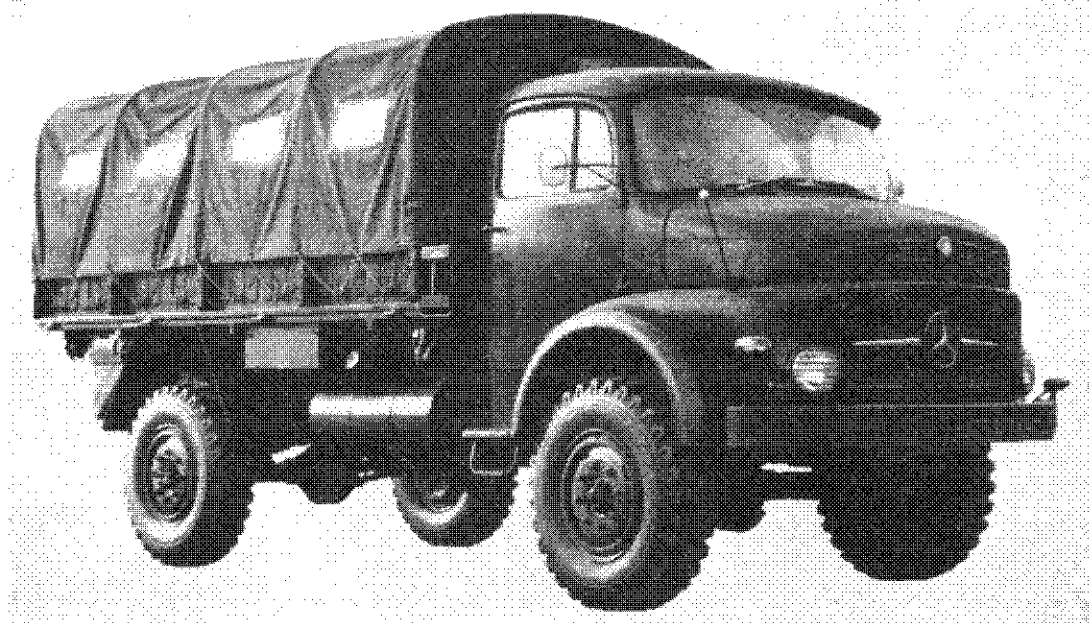
PRODUCED/ADOPTED: 1966 TO DATE

CATALOG: TB-381-5-22

(OLD 16-2320-4-32)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-16-4-32-B

NOMEN: TRUCK, CARGO, 3-TON, 4X4, MERCEDES-BENZ LA911 (LA328)

PRODUCED/ADOPTED: 1966 TO DATE

CATALOG: TB-381-5-22

(OLD 16-2320-4-32)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FORM-2320-16-4-33-A

U N C L A S S I F I E D

CATALOG: TB-301-5-22

NOMEN: TRUCK, CARGO, 3-TON, 4X2, MERCEDES-BENZ, LP608

(OLD 16-2320-4-33)

NATIVE DES: LASTKRAFTWAGEN, 3-TONNE, 4X2, MERCEDES-BENZ, LP608
PRODUCED/ADOPTED: 1965-DATE/COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

(U)THE WEST GERMAN LP 608 IS A CAB-OVER-ENGINE TRANSPORT TRUCK THAT HAS BEEN MANUFACTURED BY DAIMLER-BENZ A.G., AT MANHEIM, WEST GERMANY, SINCE 1965. THIS TRUCK IS PRODUCED WITH THREE DIFFERENT WHEEL BASE LENGTHS: 3200, 3607, AND 4191 MILLIMETERS WITH CORRESPONDING CARGO SPACE LENGTHS OF 3811, 4512, AND 5488 MILLIMETERS. BECAUSE OF RESTRICTIONS IN LARGE CITIES IN WEST GERMANY FOR TRUCKS OVER 6 METRIC TONS, THE GROSS WEIGHT OF THE VEHICLE LOADED WAS INTENTIONALLY LIMITED TO 6.6 METRIC TONS. ALTHOUGH DEVELOPED PRIMARILY AS A COMMERCIAL VEHICLE, IT HAS POSSIBLE MILITARY APPLICATION AS AN ADMINISTRATIVE VEHICLE.

(U)POWERED BY AN IMPROVED 4-CYLINDER, WATER-COOLED, DIESEL, DIRECT-INJECTION ENGINE OF MODULAR CONSTRUCTION, THIS TRUCK USES STOCK ITEMS, COMMON TO THIS FAMILY OF ENGINES, WHICH SIMPLIFIES PARTS REPLACEMENT. MOUNTED TO THE REAR OF THE CAB, THE ENGINE IS BELOW AND BETWEEN THE TWO SEATS. THE NEW MERCEDES-BENZ G 20 TRANSMISSION IS FULLY SYNCHRONIZED AND THE HYDRAULIC SERVICE BRAKES, OPERATING ON ALL WHEELS, ARE COMPRESSED-AIR ASSISTED. SUSPENSION CONSISTS OF SEMIELLIPTIC, LONGITUDINALLY MOUNTED LEAF SPRINGS WITH DOUBLE-ACTION, HYDRAULIC, TELESCOPIC SHOCK ABSORBERS IN FRONT, AND OVERLOAD SPRINGS IN THE REAR.

(U)OF CONSIDERABLE ADVANTAGE IS THE LOW CARGO BED. BECAUSE IT IS ONLY ABOUT 1016 MILLIMETERS ABOVE THE ROADWAY, IT GIVES THE TRUCK A LOW CENTER OF GRAVITY, AND FACILITATES LOADING AND UNLOADING. THE VEHICLE ALSO HAS A FAVORABLE PAYLOAD-TO-NET-WEIGHT RATIO OF 1.2 TO 1.

DATE CATALOGED: 01DEC67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2920-16-4-33-4
 NOMEN: TRUCK, CARGO, 3-TON, 4X2, MERCEDES-BENZ, LP608

CATALOG: TB-381-5-22
 (OLD 16-2920-4-33)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1965-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 2735
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 3255
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 5990
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1313
 -EMPTY REAR ----- 1422
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 1673
 -LOADED REAR ON HWY -- 4317

PERSONNEL LOAD (NR) ----- 3 IN CAB 16 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 7310

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6159
 WIDTH O'ALL ----- 2256
 HEIGHT O'ALL ----- 2378
 CARGO SPACE-

-LENGTH ----- 4512
 -WIDTH ----- 2104
 -HGT OF SIDES ----- 396

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 3607

GROUND CLEARANCE ----- 163

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 7073
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 14.6
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 685
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 92
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- OM314
 TYPE ----- 4 CYL, 4 STROKE
 MAX HP AT RPM ----- 80 AT 2800
 MAX TORQUE (KGM) ----- 23 AT 1600
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 97
 STROKE (MM) ----- 128
 DISPLACEMENT (LITERS) 3.784

FOM NR ----- 2815-16-1-8

GENERAL DATA:

TIRES-

-SIZE ----- 7.00 BY 16
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 100
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC W/AIR ASSIST
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL SYCHROMESH
 -NR SPEEDS FWD/RVSE - 5/1

TRANSPER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

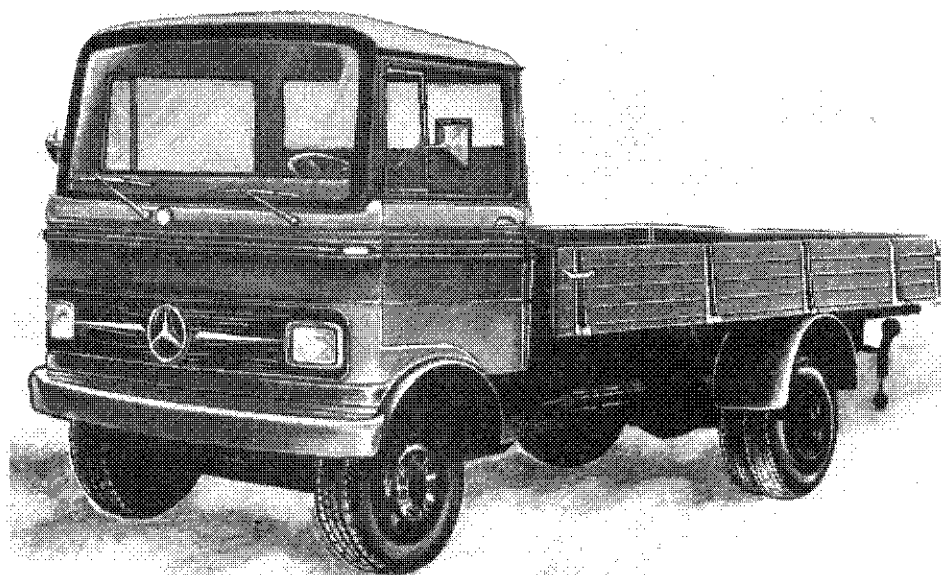
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-33-8
NOMEN: TRUCK, CARGO, 3-TON, 4X2, MERCEDES-BENZ, LP608
PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-5-22
(OLD 16-2320-4-33)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-33-B

NOMEN: TRUCK, CARGO, 3-TON, 4X2, MERCEDES-BENZ, LP608.

PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-5-22

(OLD 16-2320-4-33)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-34-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, UTILITY, 1/4 TON, 4X2 VW 181 "KURIER"

IDLD 16-2320-4-341

NATIVE DES: GELANDEWAGEN, 1/4 TONNER, 4X2, VW 181 "KURIER"
PRODUCED/ADOPTED: 1969-DATE/

COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73

(U)THE WEST GERMAN BUNDESWEHR IS PURCHASING 2,000 VW 181 "KURIER" 1/4-TON, 4 X 2 VOLKSWAGENS. THE PURCHASE OF ADDITIONAL VEHICLES OF THIS TYPE WILL DEPEND ON THE OUTCOME OF UNIT TRIALS AND THE RESULTS OF FOLLOW-UP TESTS AT A BUNDESWEHR TESTING FACILITY. PROCUREMENT OF THE VOLKSWAGENS WAS MADE NECESSARY BECAUSE PRODUCTION OF THE AUTO-UNION "MUNGA" (FOM-2320-16-4-20), SELECTED IN 1958, WAS HALTED IN DECEMBER 1969, AND ITS SUCCESSOR A 1/2-TON TRIPARTITE TRUCK TO BE DEVELOPED JOINTLY BY SEVERAL NATO COUNTRIES, IS NOT YET AVAILABLE.

(U)THE BUNDESWEHR IS HAVING MINOR MODIFICATIONS MADE TO THE CIVILIAN SPORTS-TYPE VEHICLE, DEVELOPED BY THE VOLKSWAGENWERKE, TO SUIT IT FOR A MILITARY ROLE. THE VEHICLE WILL NOT REPLACE THE "JEEP", BUT WILL BE USED PRIMARILY IN REAR AREAS FOR LIAISON AND COURIER DUTIES.

DATE CATALOGED: 01MAY71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-34-A

NMEN: TRUCK, UTILITY, 1/4 TON, 4X2 VW 181 "KURIER"

PRODUCED/ADOPTED: 1969-DATE/

CATALOG: TB-381-5-22
 (OLD 16-2320-4-34)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 30AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 900
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 440
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 1340
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 495
 -EMPTY REAR ----- 405
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 603
 -LOADED REAR ON HWY -- 737

PERSONNEL LOAD (NR) ----- 4

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 500
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 3780
 WIDTH O/ALL ----- 1640
 HEIGHT O/ALL ----- 1620
 CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1324
 -REAR ----- 1416

WHEELBASE ----- 2400

GROUND CLEARANCE ----- 203

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 55
 TURNING RADIUS (MM) ----- 5610
 FORDING DEPTH (MM) ----- 396

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 11.3
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 350
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 100
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- 36 DEG

ANGLE OF DEPARTURE (DEG) --- 31 DEG

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- VW 1500
 TYPE ----- 4 CYL, 4 STROKE
 MAX HP AT RPM ----- 44.6 AT 4000
 MAX TORQUE (KGM) ----- 10.2 AT 2000
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 93
 STROKE (MM) ----- 69
 DISPLACEMENT (LITERS) 1.5

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 6.50 BY 15
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 40
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL REAR WHEELS

SUSPENSION SYSTEM-

-FRONT ----- INDEPENDENT TORSION BAR
 -REAR ----- INDEPENDENT TORSION BAR

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-34-8

NOMEN: TRUCK; UTILITY; 1/4 TON; 4X2 VW 131 "KURIER"

PRODUCED/ADOPTED: 1969-DATE/

CATALOG: TB-381-5-22
(OLD 16-2320-4-34)
COUNTRY: WEST GERMANY
DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAY71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-4-34-8

NOMEN: TRUCK, UTILITY, 1/4 TON, 4X2 VW 181 "KURIER"

PRODUCED/ADOPTED: 1969-DATE/

CATALOG: TB-381-5-22

(OLD 16-2320-4-34)

COUNTRY: WEST GERMANY

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-5-8-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, TRACTOR, 4 X 2, MAGIRUS 150D14 FB

(OLD 16-2320-5-8)

NATIVE DES: SAITELZUGMASCHINE MAGIRUS 150 D 14 FB
PRODUCED/ADOPTED: 1968 TO DATE

COUNTRY: WEST GERMANY
DATE UPDATED: 06SEP73

(U)THE MAGIRUS 150 D 14 FB IS MANUFACTURED BY KLOCKNER-HUMBOLDT-DEUTZ AG WERK, ULM WEST GERMANY. DESIGNED FOR INTERURBAN TRANSPORTATION OF BULK CARGO OVER HARD-SURFACED ROADS, IT USUALLY TOWS A SEMITRAILER WITH A GROSS WEIGHT OF 25 METRIC TONS. THE NEW, FORWARD-CONTROL, TILT CAB IS OF A MODERN AND FUNCTIONAL DESIGN. NOISE LEVEL IN THE CAB IS REDUCED TO A MINIMUM BY MEANS OF A NEW INSULATION MATERIAL. THE TRUCK'S NEW DEUTZ V6, AIR COOLED, 4-STROKE, DIRECT INJECTION, DIESEL ENGINE WAS DESIGNED AND CONSTRUCTED AS PART OF A FAMILY OF ENGINES SHARING COMPONENTS.

DATE CATALOGED: 01SEP69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-5-8-A
 NOMEN: TRUCK, TRACTOR, 4 X 2, MAGIRUS 150014 FB

CATALOG: TB-381-5-22
 (OLD 16-2320-5-8)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1968 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4900
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- *1
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- *2
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2845
 -EMPTY REAR ----- 2055
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 4204
 -LOADED REAR ON HWY - 9810

PERSONNEL LOAD (NR) ----- 2

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- 25121

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5455
 WIDTH O'ALL ----- 2380
 HEIGHT O'ALL ----- 2640

CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1809
 -REAR ----- 1707

WHEELBASE ----- 3150

GROUND CLEARANCE ----- ?

PINTLE HEIGHT ----- N/A

HGT TO C OF 5TH WHL --- 1180

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 12
 TURNING RADIUS (MM) ----- 7101
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 24
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 830
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 77.5
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- F6L 814
 TYPE ----- V-6, 4 STROKE
 MAX HP AT RPM ----- 150 AT 2300
 MAX TORQUE (KGM) ----- 53 AT 1300
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 115
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 8.730

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 10.00 BY 20
 -PLY ----- 14
 -TYPE ----- SINGLES FRONT DUALS REAR
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 200
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC, AIR-ASSIST
 -PARKING TYPE ----- MECH, REAR WHEELS

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- ZFAK5-35, MANUAL
 -NR SPEEDS FWD/RVSE - 5/1, CONSTANT MESH

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) --- ?

REMARKS:

1/ LOAD ON FIFTH WHEEL, 9100 KG
 2/ GROSS VEHICLE WEIGHT 14,000 KG, GROSS TRACTOR-
 SEMITRAILER WEIGHT 30,000 KG

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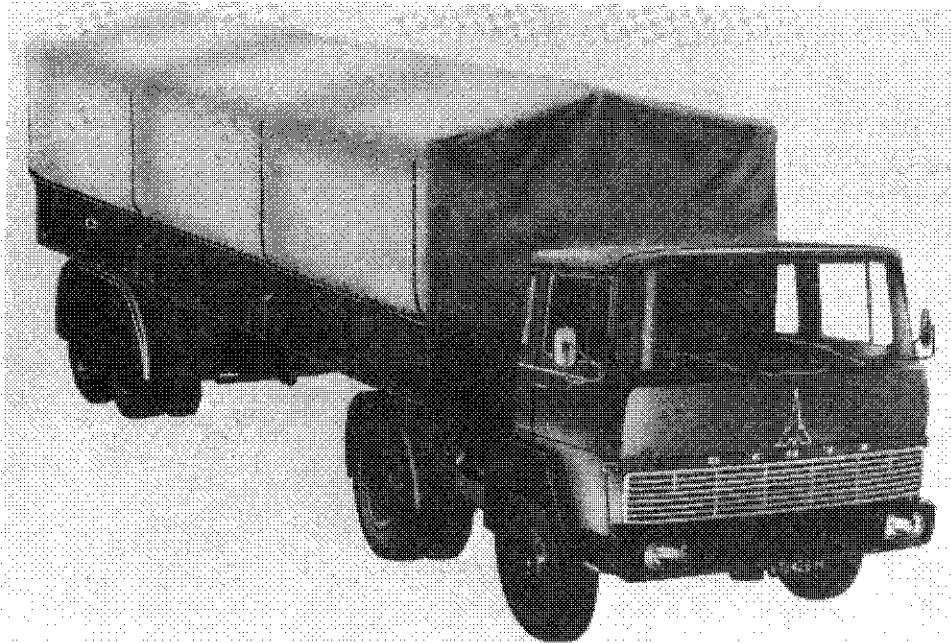
U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-5-8-B
NOMEN: TRUCK, TRACTOR, 4 X 2, MAGIRUS 150D14 FB

PRODUCED/ADOPTED: 1968 TO DATE

CATALOG: TB-381-5-22
(OLD 16-2320-5-8)
COUNTRY: WEST GERMANY
DATE UPDATED: 06SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-5-8-B

NOMEN: TRUCK, TRACTOR, 4 X 2, MAGIRUS 150014 FB

PRODUCED/ADOPTED: 1968 TO DATE

CATALOG: TB-381-5-22

(OLD 16-2320-5-8)

COUNTRY: WEST GERMANY

DATE UPDATED: 06SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-7-1-1-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, MULTIPURPOSE, 3/4-TON, 4X2, KRAKA 640

(OLD 16-2320-7-1-1)

NATIVE DES: KRAKA 640

COUNTRY: WEST GERMANY

PRODUCED/ADOPTED: 1971 TO DATE

DATE UPDATED: 30AUG73

(U)THE NEW KRAKA MULTIPURPOSE UTILITY TRUCK IS PRODUCED BY FAUN-WERKE, NUERNBERG, AND IS NOW A STANDARD ITEM FOR THE WEST GERMAN ARMY. IT REPLACES THE EARLIER KRAKA MULTIPURPOSE UTILITY TRUCK (FOM-2320-16-7-1), PRODUCED BY ZWEIRAD UNION, NUERNBERG, WEST GERMANY, IN 1963. AS A RESULT OF MILITARY POTENTIAL TESTS IN 1965 IT WAS DETERMINED THAT "THE KRAKA COLLAPSIBLE VEHICLE WAS NOT SUITABLE FOR USE AS A TACTICAL VEHICLE BY AIRBORNE AND SPECIAL FORCES UNITS. MAJOR ENGINE FAILURES INDICATE THAT IT IS NOT STURDY ENOUGH FOR MILITARY USE. ITS DEVELOPMENT WAS DISCONTINUED.

THE KRAKA CAN BE DISASSEMBLED INTO THREE MAJOR COMPONENTS; IT ALSO CAN BE FOLDED LONGITUDINALLY, REDUCING ITS SQUARE AREA TO 64%, AND ITS LENGTH TO 1702 MILLIMETERS. DESIGNED FOR GROUND SUPPORT OF AIRBORNE TROOPS, IT CAN TRANSPORT UP TO 5 SOLDIERS (PLUS DRIVER), TRANSPORT CARGO AND WOUNDED PERSONNEL, BE USED AS A PLATFORM FOR ANTITANK ROCKETS AND RECOILLESS ARTILLERY, AND TRAVERSE DIFFICULT TERRAIN ON ITS WIDE-PROFILE "LYPSOID" TIRES. THE KRAKA IS EXTREMELY SIMPLE IN DESIGN. THE REAR AXLE IS CHAIN DRIVEN AND REPORTEDLY, THE VEHICLE CAN BE USED TO ADVANTAGE ON MARSHY GROUND AND SOFT TERRAIN, AND CAN ALSO BE OPERATED BY REMOTE RADIO CONTROL.

THE KRAKA CAN BE TRANSPORTED AS INSIDE CARGO IN FIXED WING AIRCRAFT AND AS INSIDE AND OUTSIDE CARGO BY HELICOPTER. IT CAN BE AIRODROPPED UTILIZING A PARACHUTING PLATFORM.

DATE CATALOGED: 01JUN66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-7-1-1-A
 NOMEN: TRUCK, MULTIPURPOSE, 3/4-TON, 4X2, KRAKA 640

CATALOG: TB-381-5-22
 (OLD 16-2320-7-1-1)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1971 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 700
 -PAYLOAD OFF HWY ----- 910
 -PAYLOAD ON HWY ----- 910
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 1610
 -GROSS ON HWY ----- 1610
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- 610
 -LOADED REAR OFF HWY -- 1000
 -LOADED FRONT ON HWY -- 610
 -LOADED REAR ON HWY -- 1000

PERSONNEL LOAD (NR) ----- 6

MAX TOWED LOAD (KG)-

-OFF HWY ----- 970
 -ON HWY ----- 970
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 2740, REDUCIBLE TO 1702
 WIDTH O'ALL ----- 1510
 HEIGHT O'ALL ----- 1200
 CARGO SPACE-
 -LENGTH ----- 1015
 -WIDTH ----- 1410
 -HGT OF SIDES ----- ?
 TREAD, C TO C-
 -FRONT ----- 1138
 -REAR ----- 1138
 WHEELBASE ----- 2047
 GROUND CLEARANCE ----- 260
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 50
 TURNING RADIUS (MM) ----- 3505
 FORGING DEPTH (MM) ----- 500
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 52
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- BMW 427
 TYPE ----- 2 CYL, 2 STROKE
 MAX HP AT RPM ----- 26 AT 5000
 MAX TORQUE (KGM) ----- 5 AT 3000
 FUEL TYPE ----- #1
 COOLING SYSTEM-TYPE - AIR
 BORE (MM) ----- 78
 STROKE (MM) ----- 73
 DISPLACEMENT (LITERS) .697

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 22.00 BY 12
 -PLY ----- 2
 -TYPE ----- LYPSEDID
 -LOADED RADIUS (MM) - 310
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 24.6
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- *2
 -REAR ----- RIGID IN ROCKER FRAME

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1 IN EACH OF 3 RANGES
 TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

REMARKS:

1/ GASOLINE AND LUBRICATING OIL MIXTURE
 2/ 2 TRANSVERSE SEMIELLIPTIC LEAF SPRINGS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-7-1-1-B

NDMEN: TRUCK, MULTIPURPOSE, 3/4-TON, 4X2, KRAKA 640

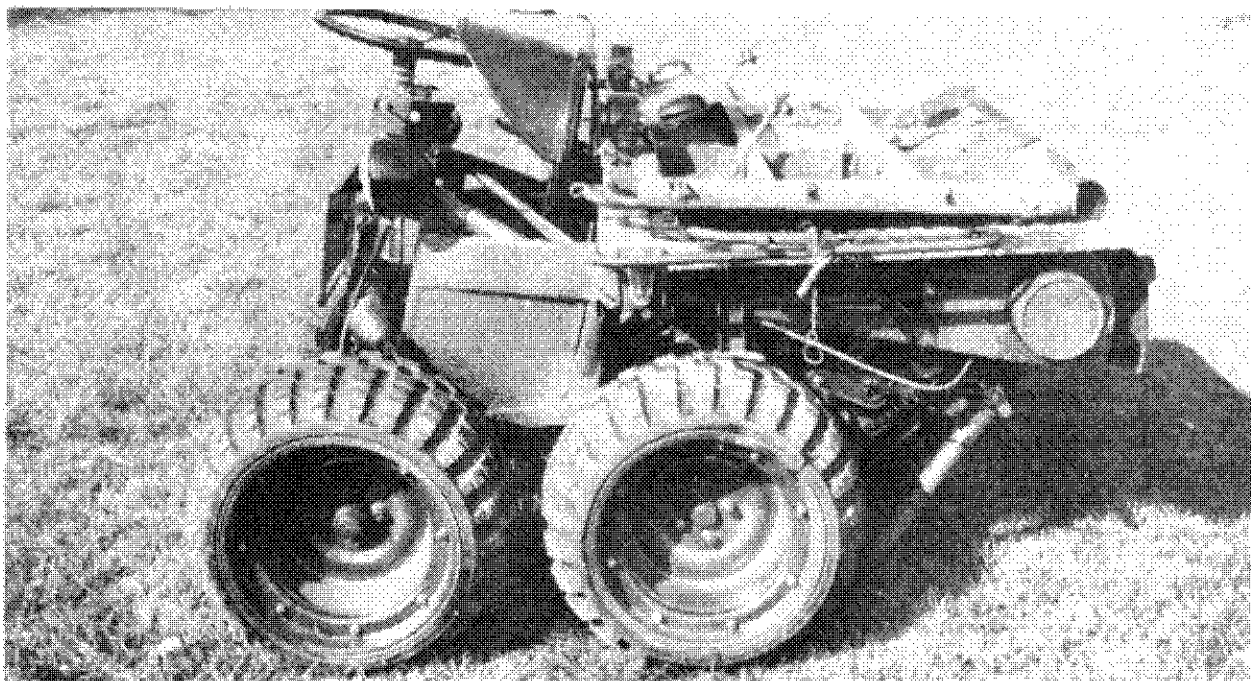
PRODUCED/ADOPTED: 1971 TO DATE

CATALOG: TB-381-5-22

(OLD 16-2320-7-1-1)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73



DATE CATALOGED: 01JUN66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-7-1-1-B

NOMEN: TRUCK, MULTIPURPOSE, 3/4-TON, 4X2, KRAKA 640

PRODUCED/ADOPTED: 1971 TO DATE

CATALOG: TB-381-5-22

(OLD 16-2320-7-1-1)

COUNTRY: WEST GERMANY

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01JUN66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-7-2-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO 2-TON 6 X 6, FLEXMOBIL

(OLD 16-2320-7-2)

NATIVE DES: FLEXMOBIL

COUNTRY: WEST GERMANY

PRODUCED/ADOPTED: 1960 TO ??

DATE UPDATED: 06SEP73

(U)THE FLEXMOBIL, A 2-TON, 6 X 6, CROSS-COUNTRY VEHICLE POWERED BY A FORD V-8 GASOLINE ENGINE, WAS DEVELOPED BY KARL KASSBÜRGER FAHRZEUGWERKE GMBH, WULFSDONAU, WEST GERMANY. OF UNUSUAL DESIGN, AND POSSESSING EXCEPTIONAL MANEUVERABILITY, IT IS SIMILAR TO THE SWISS METRAC PRODUCED IN FRANCE, ALTHOUGH IT IS SLIGHTLY LARGER. IT IS PRODUCED UNDER A LICENSING AGREEMENT WITH MIELE OF SWITZERLAND.

(U)THE VEHICLE FRAME IS IN TWO SECTIONS, PIVOTED HORIZONTALLY AT THE CENTER AXLE. THE DEVELOPING OF STRAIN BETWEEN THE TWO SECTIONS (THE ENGINE COMPARTMENT AND THE CARGO AREA) IS PREVENTED, SINCE BOTH SECTIONS ARE FREE TO OSCILLATE ON THE CENTER AXLE. HYDRAULIC CYLINDERS ARE MOUNTED OVER EACH SIDE OF THE RIGID CENTER AXLE TO CONTROL THE VERTICAL RAISING OF THE TWO SECTIONS.

(U)HYDRAULIC BRAKES OPERATE ON ALL SIX WHEELS. A FEATURE WHICH INCREASES THE MANEUVERABILITY OF THE VEHICLE IS THE INDIVIDUAL BRAKING SYSTEM OF THE WHEELS OF THE CENTER AXLE. BY RAISING THE FRONT SECTION AND LOCKING ONE OF THE CENTER WHEELS, THE VEHICLE CAN BE TURNED COMPLETELY AROUND ALMOST IN ITS OWN LENGTH. EACH AXLE CAN BE LIFTED TO A HEIGHT OF 800 MM. THE VEHICLE IS, THEREFORE, ADAPTABLE TO ALMOST ANY TERRAIN, AND CAN EVEN SURMOUNT LOW OBSTACLES WITH VERTICAL WALLS. IT CAN BE DRIVEN OPTIONALLY BY ONLY TWO AXLES; FOR EXAMPLE, FRONT AND REAR AXLES, FRONT AND CENTER AXLES, OR REAR AND CENTERAXLES. INDEPENDENT WHEEL SUSPENSION IS PROVIDED AT THE FRONT AND REAR AXLES BY MEANS OF LATERALLY INSTALLED SEMIELLIPTIC SPRINGS COMPOSED OF LAMINATED LEAVES.

(U)THE FLEXMOBIL HAS NOT BEEN ACCEPTED YET BY THE WEST GERMAN ARMY.

DATE CATALOGED: 01JUN66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-7-2-A
NOMEN: TRUCK, CARGO 2-TON 6 X 6, FLEXMOBIL

CATALOG: T8-381-5-22
IOLD 16-2320-7-21
COUNTRY: WEST GERMANY
DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1960 TO ?/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 2220
-PAYLOAD OFF HWY ----- 1810
-PAYLOAD ON HWY ----- 1810
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- 4030
-GROSS ON HWY ----- 4030
-GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 815 (CENTER AXLE, 985)
-EMPTY REAR ----- 420
-LOADED FRONT OFF HWY - 840 (CENTER AXLE 1140)
-LOADED REAR OFF HWY -- 2050
-LOADED FRONT ON HWY -- 840 (CENTER AXLE, 1140)
-LOADED REAR ON HWY --- 2050

PERSONNEL LOAD (NR) ----- 2

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
-ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 4370
WIDTH O'ALL ----- 2000
HEIGHT O'ALL ----- 2100

CARGO SPACE-

-LENGTH ----- ?
-WIDTH ----- ?
-HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- ?
-REAR ----- ?

WHEELBASE ----- *1

GROUND CLEARANCE ----- 304

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
TURNING RADIUS (MM) ----- 3048
FORGING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 20.4
-WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 490
-WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 60
-WATER ----- N/A

ANGLE OF APPROACH (DEG) --- 52

ANGLE OF DEPARTURE (DEG) --- 60

VERTICAL OBSTACLE (MM) ----- 800 ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- FORD
TYPE ----- V-8
MAX HP AT RPM ----- 91 AT 3600
MAX TORQUE (KGM) ---- 22.8
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 81
STROKE (MM) ----- 95
DISPLACEMENT (LITERS) 3.92

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 10.00 BY 20
-PLY ----- ?
-TYPE ----- ?
-LOADED RADIUS (MM) - ?
-INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 100
-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
-PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- *2
-REAR ----- *3

TRANSMISSION-

-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
-AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

REMARKS:

- 1/ FRONT TO CENTER 1500, CENTER TO REAR 1500
- 2/ SEMIELLPTIC SPRINGS INSTALLED Laterally
- 3/ SEMIELLPTIC SPRINGS INSTALLED Laterally

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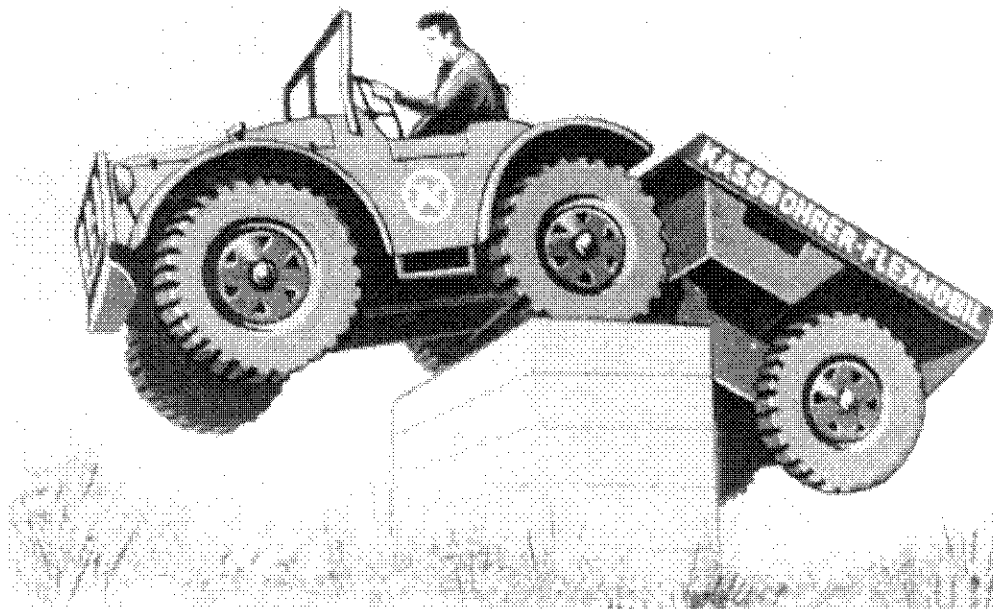
U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-16-7-2-B
NOMEN: TRUCK, CARGO, 2-TON 6 X 6, FLEXMOBIL

CATALOG: TB-381-5-22
IOL: 16-2320-7-21
COUNTRY: WEST GERMANY
DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1960 TO ??



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-16-7-2-B

NOMEN: TRUCK, CARGO 2-TON 6 X 6, FLEXMOBIL

PRODUCED/ADOPTED: 1960 TO ??

CATALOG: TB-381-5-22

(OLD 16-2320-7-2)

COUNTRY: WEST GERMANY

DATE UPDATED: 06SEP73

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DATE CATALOGED: 01JUN66
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U N C L A S S I F I E D

FOM-2320-17-1-1-A

U N C L A S S I F I E D

CATALOG: TS-381-5-22

NOMEN: TRUCK, AMBULANCE, 4X4, T3, SAVIEM-RENAULT

(OLD 17-2320-1-1)

NATIVE DES: TP3, 4X4, SANITAIRE
PRODUCED/ADOPTED: 1967-DATE/

COUNTRY: FRANCE
DATE UPDATED: 30AUG73

(U)THE TP3, AN ALL-WHEEL-DRIVE AMBULANCE, IS MANUFACTURED BY SAVIEM-RENAULT, SURESNES, FOR THE TECHNICAL SERVICE OF THE FRENCH ARMY. CHANGES TO THE REINFORCED 4 X 2 SG 2 VAN RESULTED IN THE ADVANCED-CAB TP 3 VEHICLE. MILITARY APPLICATION OF THE TP 3 INCLUDES THE EVACUATION OF SICK AND WOUNDED PERSONNEL OVER PAVED ROADS AND CROSS-COUNTRY.

DATE CATALOGED: 01MAR70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-1-1-A
 NOMEN: TRUCK, AMBULANCE, 4X4, T3, SAVIEM-RENAULT

CATALOG: TB-381-5-22
 (OLD 17-2320-1-1)
 COUNTRY: FRANCE
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1967-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- ?
 -PAYLOAD OFF HWY ----- 1000
 -PAYLOAD ON HWY ----- 1750
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY -- ?

PERSONNEL LOAD (NR) ---- *1

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?

-ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 4998

WIDTH O/ALL ----- 1981

HEIGHT O/ALL ----- ?

CARGO SPACE-

-LENGTH ----- 2987

-WIDTH ----- 1859

-HGT OF SIDES ----- VAN BODY

TREAD, C TO C-

-FRONT ----- 1642

-REAR ----- 1662

WHEELBASE ----- 2597

GROUND CLEARANCE ----- ?

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 50

TURNING RADIUS (MM) ----- ?

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- ?

-WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?

-WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 90

-WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- RENAULT
 TYPE ----- 4 CYL, 4 STROKE
 MAX HP AT RPM ----- 73 AT 3200
 MAX TORQUE (KGM) ----- 21 AT 2000
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 93
 STROKE (MM) ----- 96
 DISPLACEMENT (LITERS) 2.6

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 BY 16

-PLY ----- ?

-TYPE ----- ?

-LOADED RADIUS (MM) -- ?

-INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 72

-AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- *2

-PARKING TYPE ----- MECH ON REAR WHEELS

SUSPENSION SYSTEM-

-FRONT ----- *3

-REAR ----- *4

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A

-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

1/ 4 LITTERS, OR 12 SEATED PATIENTS, PLUS
 CREW OF 2

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-1-1-B

NOMEN: TRUCK, AMBULANCE, 4X4, T3, SAVIEM-RENAULT

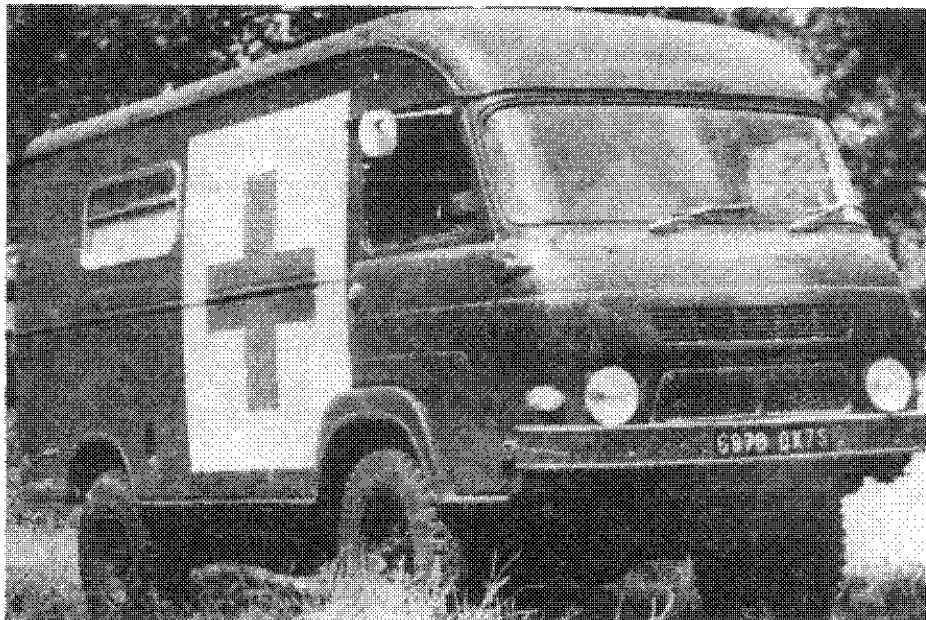
PRODUCED/ADOPTED: 1967-DATE/

CATALOG: TB-381-5-22

ICLD 17-2320-1-11

COUNTRY: FRANCE

DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-1-1-B
NOMEN: TRUCK, AMBULANCE, 4X4, T3, SAVIEM-RENAULT
PRODUCED/ADOPTED: 1967-DATE/

CATALOG: TB-381-5-22
(OLD 17-2320-1-1)
COUNTRY: FRANCE
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01MAR70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-2-A

CATALOG: TB-381-5-22

NGMEN: TRUCK, UTILITY, 3/4 TON, 4X4 RENAULT

(OLD 17-2320-4-2)

NATIVE DES: CAMIONNETTE 4X4 RENAULT 0.8T
PRODUCED/ADOPTED: 1954-DATE/

COUNTRY: FRANCE
DATE UPDATED: 30AUG73

(U)THE RENAULT 3/4-TON UTILITY TRUCK WAS DESIGNED AND PRODUCED FOR EXCLUSIVE USE BY THE ARMED FORCES TO TRANSPORT MATERIAL AND SUPPLIES. THE SAME CHASSIS CAN ACCOMMODATE SPECIAL-TYPE BODIES FOR USE AS AMBULANCES OR COMMAND CARS. THE CAB-OVER-ENGINE DRIVER'S COMPARTMENT IS OF STEEL CONSTRUCTION AND AFFORDS EXCELLENT DRIVER COMFORT AND VISIBILITY. THE SLAT-TYPE, OPEN CARGO BODY WITH DROP SIDES AND TAILGATE PERMITS THE LOADING AND TRANSPORTING OF CUMBERSOME MATERIAL, AND HIGH GROUND CLEARANCE PERMITS EXTENSIVE FORDING OPERATIONS. CARGO-LOADING CAPABILITIES OF THIS VEHICLE ARE ENHANCED BY THE USE OF HELPER SPRINGS OVER THE REAR-AXLE HOUSING.

(U)A REMOVABLE TOP AND FOLD-DOWN WINDSHIELD LOWER THE SILHOUETTE. REMOVABLE BOWS AND A TARPULIN PROTECT THE CARGO AREA.

DATE CATALOGED: 01JUN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2320-17-4-2-A

NOMEN: TRUCK, UTILITY, 3/4 TON, 4X4 RENAULT

PRODUCED/ADOPTED: 1954-DATE/

CATALOG: TB-381-5-22
 (OLD 17-2320-4-2)
 COUNTRY: FRANCE
 DATE UPDATED: 30AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 2353
 -PAYLOAD OFF HWY ----- 800
 -PAYLOAD ON HWY ----- 1001
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 3153
 -GROSS ON HWY ----- 3354
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1000
 -EMPTY REAR ----- 1353
 -LOADED FRONT OFF HWY - 1024
 -LOADED REAR OFF HWY - 2129
 -LOADED FRONT ON HWY - 1091
 -LOADED REAR ON HWY - 2263

PERSONNEL LOAD (NR) ----- 2

MAX TOWED LOAD (KG)-

-OFF HWY ----- 1362
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 4815
 WIDTH O'ALL ----- 1950
 HEIGHT O'ALL ----- 2743
 CARGO SPACE-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- 1630
 -REAR ----- 1610

WHEELBASE ----- 2310

GROUND CLEARANCE ----- 290

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 45%

TURNING RADIUS (MM) ----- 6979

FORDING DEPTH (MM) ----- 762

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 18
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 386
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 80
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- RENAULT "ETENDARD"
 TYPE ----- 4 CYL, 4 STROKE
 MAX HP AT RPM ----- 52 AT 3300
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) 2,384

FQM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 9.00 BY 16
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 70
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24

WINCH-TYPE ----- MECHANICAL

-CAPACITY (KG) ----- 1500
 -CABLE LENGTH (MM) --- ?

REMARKS:

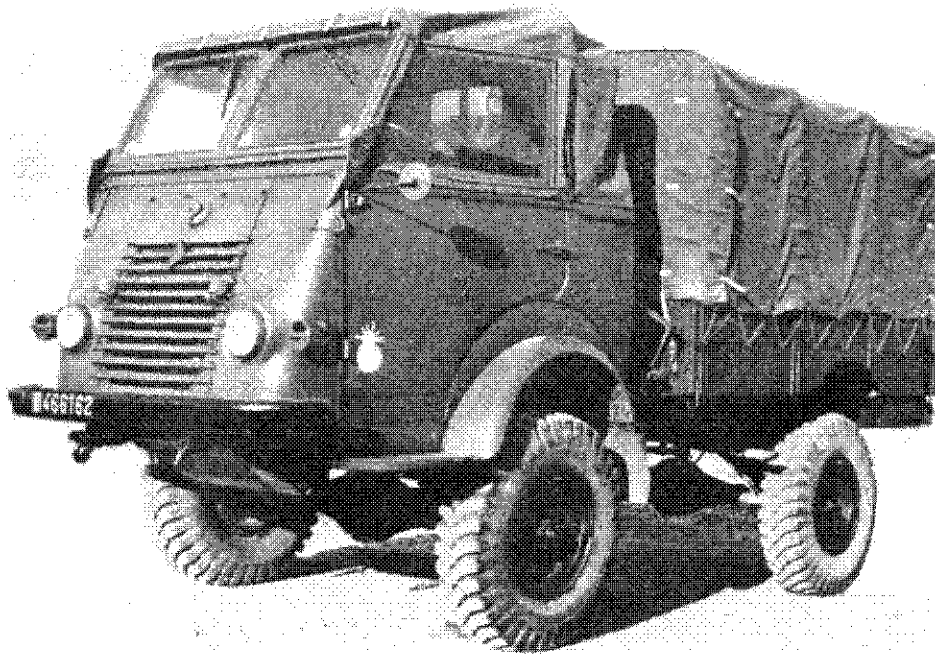
DATE CATALOGED: 01JUN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-2-B
NOMEN: TRUCK, UTILITY, 3/4 TON, 4X4 RENAULT
PRODUCED/ADOPTED: 1954-DATE/

CATALOG: TB-381-5-22
(OLD 17-2320-4-2)
COUNTRY: FRANCE
DATE UPDATED: 30AUG73



DATE CATALOGED: 01JUN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-17-4-2-8

NOMEN: TRUCK, UTILITY, 3/4 TON, 4X4 RENAULT

PRODUCED/ADOPTED: 1954-DATE/

CATALOG: TB-381-5-22

ICOL 17-2320-4-21

COUNTRY: FRANCE

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01JUN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-5-A

CATALOG: Y8-381-5-22

NOMEN: TRUCK, CARGO, 3-TON, 6X6, SIMCA(FORD) (SWB)

(OLD 17-2320-4-5)

NATIVE DES: CAMION 6X6 SIMCA(FORD) 3 TONNES

COUNTRY: FRANCE

PRODUCED/ADOPTED: 1956 TO ? /

DATE UPDATED: 06SEP73

(U)THE SIMCA 3-TON CARGO TRUCK, MANUFACTURED BY SIMCA (FORD), FRANCE, IS AN ALL-WHEEL-DRIVE, TACTICAL, CROSS-COUNTRY VEHICLE. DESIGNED PRIMARILY FOR USE AS AN ORDNANCE TRANSPORT TRUCK OR AS AN ARTILLERY PRIME MOVER, THIS TRUCK CAN BE USED TO TOW THE 155-MM HOWITZER M1950 (FOM-1010-17-155-1) ON HARD-SURFACED ROADS AND IS POWERED BY A FORD V-8, LIQUID-COOLED, GASOLINE ENGINE.

(U)THE SUSPENSION SYSTEM CONSISTS OF LONGITUDINALLY MOUNTED, SEMIELLIPTIC, LAMINATED-LEAF SPRINGS WITH DOUBLE-ACTING, HYDRAULIC, TELESCOPIC SHOCK ABSORBERS IN FRONT AND AUXILIARY OVERLOAD SPRINGS IN THE REAR. HYDRO-PNEUMATIC BRAKES OPERATE ON ALL WHEELS. A TWO-RANGE TRANSFER CASE PROVIDES FOR LOW-GEAR OPERATION OVER DIFFICULT TERRAIN AND INCORPORATES A DEVICE TO ENGAGE AND DISENGAGE THE FRONT-WHEEL DRIVE.

DATE CATALOGED: 01DEC196
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-5-A
 NOMEN: TRUCK, CARGO, 3-TON, 6X6, SINCA(FORD) (SWB)

CATALOG: TB-381-5-22
 (OLD 17-2320-4-5)
 COUNTRY: FRANCE
 DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1956 TO ? /

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 5500
 -PAYLOAD OFF HWY ----- 3500
 -PAYLOAD ON HWY ----- 3500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 9000
 -GROSS ON HWY ----- 9000
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2200
 -EMPTY REAR ----- 1650 EA
 -LOADED FRONT OFF HWY - 3200
 -LOADED REAR OFF HWY -- 2900 EA
 -LOADED FRONT ON HWY -- 3200
 -LOADED REAR ON HWY --- 2900 EA

PERSONNEL LOAD (NR) ----- 20

MAX TOWED LOAD (KG)-

-OFF HWY ----- 3000
 -ON HWY ----- 3000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5550
 WIDTH O'ALL ----- 2280
 HEIGHT O'ALL ----- 2830
 CARGO SPACE-
 -LENGTH ----- 2926
 -WIDTH ----- 1981
 -HGT OF SIDES ----- 883
 TREAD, C TO C-
 -FRONT ----- 7
 -REAR ----- ?
 WHEELBASE ----- 3300
 GROUND CLEARANCE ----- 315
 PINTLE HEIGHT ----- 2
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60
 TURNING RADIUS (MM) ----- 8991
 FORDING DEPTH (MM) ----- 900
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 40
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 78
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) ---- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- FORD
 TYPE ----- V-8
 MAX HP AT RPM ----- 119 AT 2800
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - ?
 BORE (MM) ----- 90
 STROKE (MM) ----- 101
 DISPLACEMENT (LITERS) 4.2

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 16.00 BY 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 152
 -AUX TANK ----- 94.5

BRAKES-

-PRIMARY TYPE ----- AIR-OVER-HYDRAULIC
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPITIC SPRINGS
 -REAR ----- SEMIELLIPITIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- REAR ONLY
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-17-4-5-8

NOMEN: TRUCK, CARGO, 3-TON, 6X6, SIMCA(FORD) (SNB)

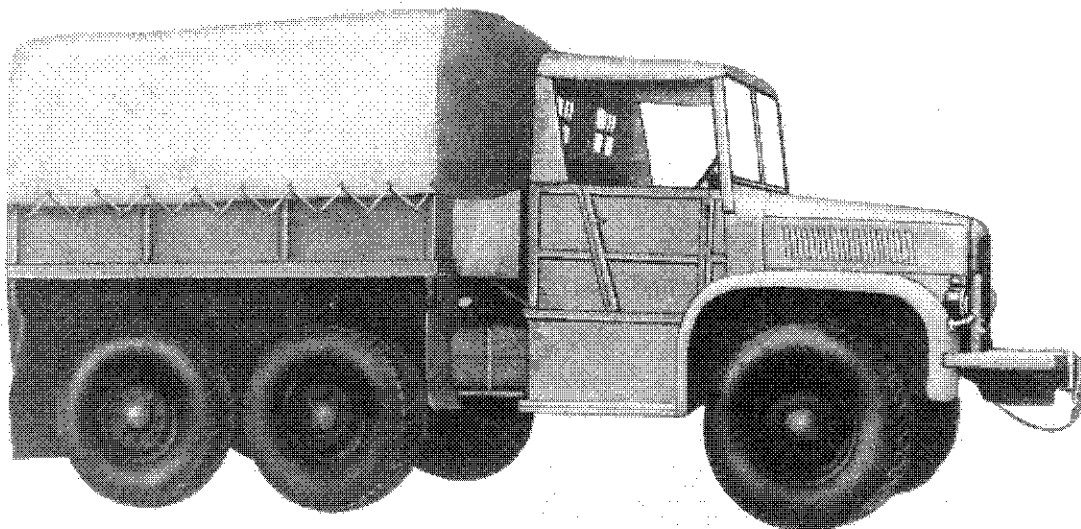
PRODUCED/ADOPTED: 1956 TO ? /

CATALOG: TB-381-5-22

10LD 17-2320-4-5)

COUNTRY: FRANCE

DATE UPDATED: 06SEP73



DATE CATALOGED: 01DEC196
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-5-B

NOMEN: TRUCK, CARGO, 3-TON, 6X6, SIMCA(FORD) (SWB)

PRODUCED/ADOPTED: 1956 TO ? /

CATALOG: TB-381-5-22

(OLD 17-2320-4-5)

COUNTRY: FRANCE

DATE UPDATED: 06SEP73

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DATE CATALOGED: 01DEC196
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-17-4-6-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 6-1/2-TON, 6X6, BERLIET G.B.U. 15

(OLD 17-2320-4-6)

NATIVE DES: CAMION, 6X6 BERLIET G.B.U. 15-6T
PRODUCED/ADOPTED: 1959 TO DATE

COUNTRY: FRANCE
DATE UPDATED: 30AUG73

(U)THE G.B.U. 15 CARGO TRUCK, PRODUCED BY BERLIET ENTERPRISES OF LYON, FRANCE, IS A 3-AXLE, ALL WHEEL-DRIVE, TACTICAL, CROSS-COUNTRY VEHICLE DESIGNED TO SERVE BOTH AS AN ORDNANCE TRANSPORT TRUCK AND AS AN ARTILLERY PRIME MOVER. GROSS-COUNTRY CARRYING CAPACITY IS 6 TONS, OR 3.5 TONS WHEN PULLING AN 10-TON TRAILED LOAD. THE G.B.U. 15 TRACTOR VERSION CAN TOW A 20-TON SEMITRAILER.

(U)A TWO-RANGE TRANSFER CASE PROVIDES LOW GEARING FOR DIFFICULT TERRAIN AND ALSO PERMITS ENGAGEMENT AND DISENGAGEMENT OF THE FRONT-WHEEL DRIVE.

DATE CATALOGED: 01SEP67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-6-A

NOMEN: TRUCK, CARGO, 6-1/2-TON, 6X6, BERLIET G.B.U. 15

CATALOG: TB-381-5-22

(OLD 17-2320-4-6)

COUNTRY: FRANCE

DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1959 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 12000
 -PAYLOAD OFF HWY ----- 6000
 -PAYLOAD ON HWY ----- 10000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 18000
 -GROSS ON HWY ----- 22000
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 4800
 -EMPTY REAR ----- 3600 EA
 -LOADED FRONT OFF HWY - 7700
 -LOADED REAR OFF HWY -- 7150 EA
 -LOADED FRONT ON HWY -- 6300
 -LOADED REAR ON HWY -- 5850 EA
 PERSONNEL LOAD (NR) --- 20
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 1000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7980
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 3352
 CARGO SPACE-
 -LENGTH ----- 4450
 -WIDTH ----- 2300
 -HGT OF SIDES ----- 780
 TREAD, L TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 4450
 GROUND CLEARANCE ----- 375
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60
 TURNING RADIUS (MM) ----- 8232
 FORDING DEPTH (MM) ----- 975
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 78
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 885
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 70
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- BERLIET MK 640
 TYPE ----- 6 CYL, INLINE
 MAX HP AT RPM ----- 200 AT 2200
 MAX TORQUE (KGM) ----- 85 AT 1700
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 140
 STROKE (MM) ----- 160
 DISPLACEMENT (LITERS) 14.75

FOM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 14.00 8Y 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 300
 -AUX TANK ----- 300
 BRAKES-
 -PRIMARY TYPE ----- HYDROPNEUMATIC
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

TANK BODY:

PUMP:

HOSES:

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-6-6

NOMEN: TRUCK, CARGO, 6-1/2-TON, 6X6, BERLIET G.B.U. 15

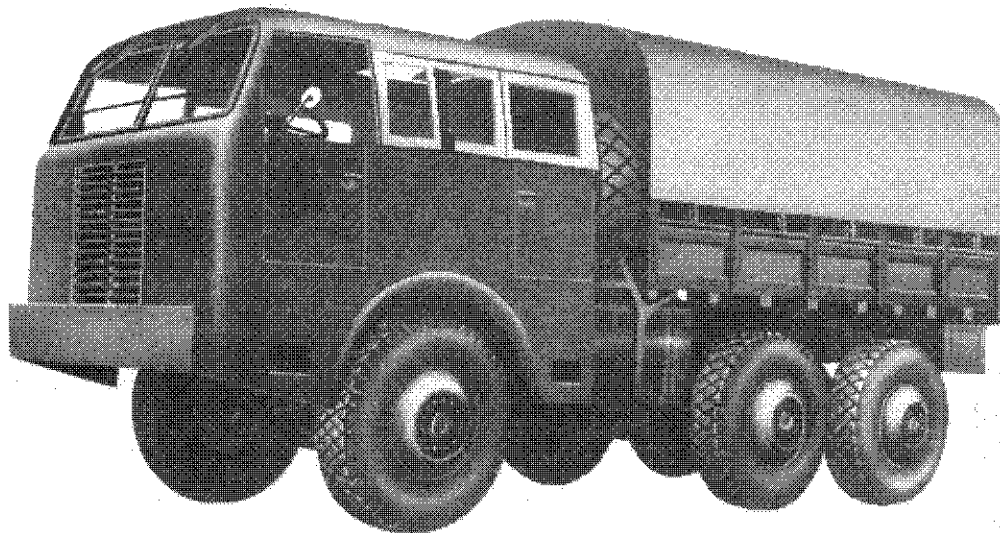
PRODUCED/ADOPTED: 1959 TO DATE

CATALOG: TS-381-5-22

(OLD 17-2320-4-6)

COUNTRY: FRANCE

DATE UPDATED: 30AUG73



DATE CATALOGED: 01SEP67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-6-8
NOMEN: TRUCK, CARGO, 6-1/2-TON, 6X6, BERLIET G.8.0. 15

PRODUCED/ADOPTED: 1959 TO DATE

CATALOG: TB-381-5-22
(GLD 17-2320-4-6)
COUNTRY: FRANCE
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01SEP67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-28-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X4, AHM2 RENAULT

(OLD 17-2320-4-28)

NATIVE DES: CAMION, 4X4, AHM2 RENAULT, 3.5 TONNES
PRODUCED/ADOPTED: 1956-DATE/

COUNTRY: FRANCE
DATE UPDATED: 06SEP73

(U)THE AHM2 RENAULT IS A MEDIUM-SIZED TRUCK USED BY ALL BRANCHES OF THE FRENCH ARMED FORCES AS AN ALL-PURPOSE CARGO AND PERSONNEL CARRIER. TECHNICAL CHARACTERISTICS ARE ALMOST IDENTICAL WITH THE 3-TON, 4 X 4, SIMCA F 594 WML CARGO TRUCK (FOM-2320-17-4-39). PRODUCTION MODELS ARE FURNISHED WITH EITHER A GASOLINE OR A DIESEL ENGINE; ALL MODELS USE THE SAME CHASSIS AND COMPONENT ASSEMBLIES. CARGO AND PERSONNEL CARRIERS ARE AVAILABLE WITH LONG WHEELBASE; SHORT-WHEELBASE VERSIONS ARE EMPLOYED AS PRIME MOVERS FOR TOWING FIELD ARTILLERY AND FOR RECOVERING TRUCKS. THIS CAB-OVER ENGINE VEHICLE HAS A STEEL CAB SEATING THREE PERSONS, INCLUDING THE DRIVER.

DATE CATALOGED: 01SEP69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2320-17-4-28-A
 NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X4, AHM2 RENAULT

CATALOG: TB-381-5-22
 (OLD 17-2320-4-28)
 COUNTRY: FRANCE
 DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1956-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 6000
 -PAYLOAD OFF HWY ----- 3500
 -PAYLOAD ON HWY ----- 5318
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 9500
 -GROSS ON HWY ----- 11,318
 -GROSS, WATER -----
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 2550
 -EMPTY REAR ----- 3450
 -LOADED FRONT OFF HWY - 3895
 -LOADED REAR OFF HWY - 5605
 -LOADED FRONT ON HWY - 4640
 -LOADED REAR ON HWY - 6678
 PERSONNEL LOAD (NR) ----- 3 IN CAB 20 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 2000
 -ON HWY ----- 4000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7165
 WIDTH O/ALL ----- 2500
 HEIGHT O/ALL ----- 2988
 CARGO SPACE-
 -LENGTH ----- 4665
 -WIDTH ----- 2378
 -HGT OF SIDES ----- ?
 TREAD, C TO C-
 -FRONT ----- 1680
 -REAR ----- 1798
 WHEELBASE ----- 3658
 GROUND CLEARANCE ----- 290
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 40
 TURNING RADIUS (MM) ----- 13,476
 FORDING DEPTH (MM) ----- 500
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 32.2
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 587
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 72
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ?
 TYPE ----- ?
 MAX HP AT RPM ----- 122 AT 2500
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - ?
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?
 FQM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 11.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 189
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC ALL WHEELS
 -PARKING TYPE ----- ?
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 2412, 12V BATTERIES)
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) --- ?

REMARKS:

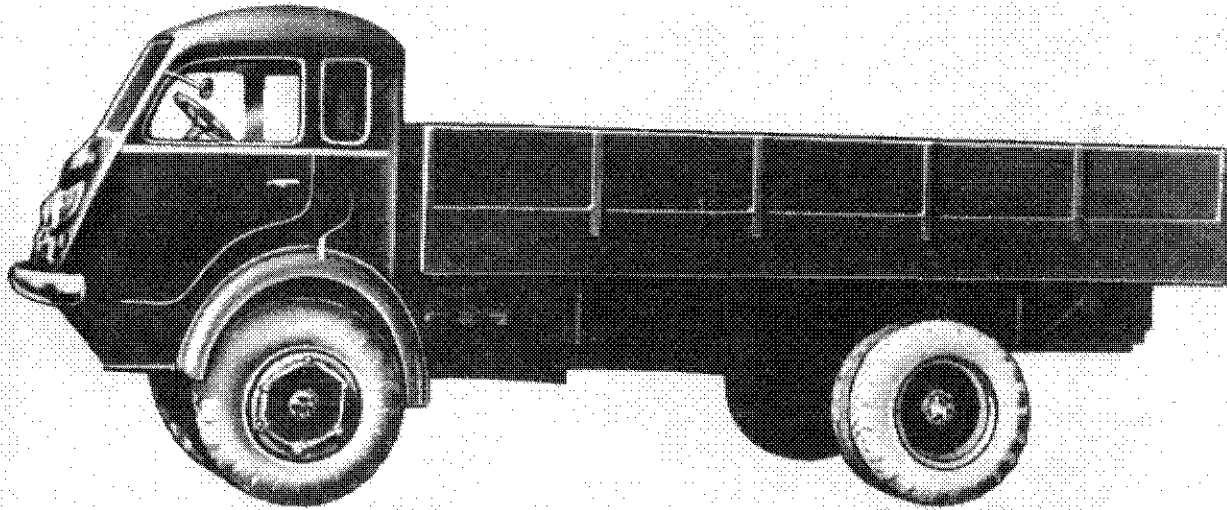
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-17-4-26-B
NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X4, AHM2 RENAULT
PRODUCED/ADOPTED: 1956-DATE/

CATALOG: TB-381-5-22
(OLD 17-2320-4-26)
COUNTRY: FRANCE
DATE UPDATED: 06SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FGH-2320-17-4-28-8
NOMEN: TRUCK, CARGO, 3 1/2 TON, 4X4, AM2 RENAULT

PRODUCED/ADOPTED: 1956-DATE/

CATALOG: TB-381-5-22
(OLD 17-2320-4-28)
COUNTRY: FRANCE
DATE UPDATED: 06SEP73

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DATE CATALOGED: 01SEP69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-33-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 1 1/2-TON, 4X4, SIMCA-MARMON, MH600BS

(OLD 17-2320-4-33)

NATIVE DES: CAMIONNETTE, SIMCA-MARMON, 15T, 4X4 MH 600BS

COUNTRY: FRANCE

PRODUCED/ADOPTED: 1963 TO DATE

DATE UPDATED: 03AUG73

(U)MANUFACTURED BY THE UNIC DIVISION OF SIMCA INDUSTRIES IN COLLABORATION WITH MARMON-BOCQUET, VILLIERS-LE-BEL, FRANCE, THE MH 600 BS CARGO TRUCK IS DESIGNED TO TRANSPORT MILITARY PERSONNEL AND CARGO OVER HIGHWAYS AS WELL AS OVER ROUGH TERRAIN. WATERTIGHT COMPONENT PARTS AND ELECTRIC FITTINGS PERMIT THE VEHICLE TO FORD STREAMS TO A DEPTH OF 1199 MILLIMETERS WITHOUT SPECIAL EQUIPMENT, OR 2007 MILLIMETERS WHEN FITTED WITH SNORKEL EQUIPMENT. A REMOVABLE CANVAS TOP AND A FOLD-DOWN WINDSHIELD ARE PROVIDED FOR THE CAB AND THE CARGO AREA IS PROTECTED BY A REMOVABLE CANVAS COVER THAT FITS ON METAL SUPPORTING BOWS. TWO LONGITUDINAL BENCHES, LOCATED IN THE CENTER OF THE CARGO PLATFORM, AFFORD SEATS FOR TRANSPORTING 12 TROOPS. THESE BENCHES CAN BE REMOVED AND STOWED ON THE PLATFORM, ALLOWING FREE SPACE FOR CARGO. A 2-SPEED TRANSFER CASE PROVIDES LOW AND NORMAL GEAR RATIOS AND A DEVICE TO ENGAGE AND DISENGAGE THE FRONT-WHEEL DRIVE. FRONT AND REAR SUSPENSION SYSTEMS CONSIST OF COIL SPRINGS AND DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS.

DATE CATALOGED: 01DEC67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-33-A
 NGMEN: TRUCK, CARGO, 1 1/2-TON, 4X4, SIMCA-MARMON, MH600BS

CATALOG: T8-381-5-22
 (OLD 17-2320-4-33)
 COUNTRY: FRANCE
 DATE UPDATED: 03AUG73

PRODUCED/ADOPTED: 1963 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 3550
 -PAYLOAD OFF HWY ----- 1500
 -PAYLOAD ON HWY ----- 1500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 5050
 -GROSS ON HWY ----- 5050
 -GROSS, WATER -----

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2200
 -EMPTY REAR ----- 1350
 -LOADED FRONT OFF HWY - 2425
 -LOADED REAR OFF HWY - 2625
 -LOADED FRONT ON HWY - 2425
 -LOADED REAR ON HWY - 2625

PERSONNEL LOAD (NR) ----- 2 IN CAB 12 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- 1500
 -ON HWY ----- 1500

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5090
 WIDTH O'ALL ----- 2104
 HEIGHT O'ALL ----- 2835
 CARGO SPACE-

-LENGTH ----- 2957
 -WIDTH ----- 1981
 -HGT OF SIDES ----- 305

TREAD, C TO C-

-FRONT ----- 1650
 -REAR ----- 1650

WHEELBASE ----- 2900

GROUND CLEARANCE ----- 420

PINTLE HEIGHT ----- 800

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60
 TURNING RADIUS (MM) ----- 7500
 FORDING DEPTH (MM) ----- 1200

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 23.5
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 550
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 85
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- 43 DEG

ANGLE OF DEPARTURE (DEG) --- 40

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- SIMCA V8, FTCWM
 TYPE ----- V8, 4 STROKE
 MAX HP AT RPM ----- 100 AT 3200
 MAX TORQUE (KGM) ----- 26.3 AT 1800
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 80.96
 STROKE (MM) ----- 101.6
 DISPLACEMENT (LITERS) 4.20

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 10.00 X 20
 -PLY ----- 12
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 500
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 130
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC W/AIR BOOST
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- COIL SPRINGS
 -REAR ----- COIL SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL SYNCHROMESH
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- YES

ELEC SYSTEM (VOLTS) --- 24 (2 12 V BATTERIES)

WINCH-TYPE ----- MECHANICAL

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- 60,000

REMARKS:

DATE CATALOGED: 01DEC67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-17-4-33-B

NOMEN: TRUCK, CARGO, 1 1/2-TON, 4X4, SIMCA-HARMON, MH600BS

PRODUCED/ADOPTED: 1963 TO DATE

CATALOG: TB-381-5-22

(OLD 17-2320-4-33)

COUNTRY: FRANCE

DATE UPDATED: 03AUG73



DATE CATALOGED: 01DEC67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-17-4-33-B

NOMEN: TRUCK, CARGO, 1 1/2-TON, 4X4, SIMCA-HARMON, MH6008S

PRODUCED/ADOPTED: 1963 TO DATE

CATALOG: TB-381-5-22

(OLD 17-2320-4-33)

COUNTRY: FRANCE

DATE UPDATED: 03AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-34-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 4-TON, 6X6, BERLIET, GBC 8KT

(OLD 17-2320-4-34)

NATIVE DES: CAMION, GBC 8KT
PRODUCED/ADOPTED: 1960 TO DATECOUNTRY: FRANCE
DATE UPDATED: 03AUG73

10 THE "ALL TERRAIN," 4-TON, 6 X 6, GBC 8KT CARGO TRUCK IS MANUFACTURED BY AUTOMOBILES M. BERLIET, AT LYON. POWERED BY A 5-CYLINDER MULTIFUEL ENGINE, IT TRANSPORTS PERSONNEL AND CARGO AND IS USED AS A PRIME MOVER TO TOW A LOADED TRAILER OR AN ARTILLERY PIECE NOT IN EXCESS OF 4 METRIC TONS CROSS COUNTRY OR 8 METRIC TONS ON THE HIGHWAY. THE POWERED AXLES HAVE PNEUMATICALLY CONTROLLED DIFFERENTIAL LOCKS ON THE TWO REAR AXLES. A 2-SPEED TRANSFER CASE ENGAGES AND DISENGAGES THE FRONT WHEEL DRIVE. THE CARGO AREA IS EQUIPPED WITH TWO FOLDING BENCHES, PROVIDING SEATING FOR 20 FULLY EQUIPPED TROOPS. THE TRUCK HAS A REMOVABLE COVER AND BOWS. PNEUMATIC BRAKES AND ELECTRICAL CONNECTIONS ARE PROVIDED AT THE REAR FOR TRAILERS. A WINCH WITH A CAPACITY OF 5 TO 7 TONS IS MOUNTED ON SOME OF THESE VEHICLES.

10 TWO SEPARATE PNEUMATIC SERVICE BRAKING SYSTEMS ARE PROVIDED; ONE OPERATES ON ALL SIX WHEELS AND THE TRAILER, THE OTHER OPERATES ON THE FOUR REAR WHEELS AND THE TRAILER.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-34-A
 NOMEN: TRUCK, CARGO, 4-TON, 6X6, BERLIET, GBC 8KT

CATALOG: TB-381-5-22
 (OLD 17-2320-4-34)
 COUNTRY: FRANCE
 DATE UPDATED: 03AUG73

PRODUCED/ADOPTED: 1960 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 8370
 -PAYLOAD OFF HWY ----- 4000
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 12,370
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 4180
 -EMPTY REAR ----- 2095 EA
 -LOADED FRONT OFF HWY - 4470
 -LOADED REAR OFF HWY - 3950 EA
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 3 IN CAB, 20 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- 4000
 -ON HWY ----- 8000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7280
 WIDTH O/ALL ----- 2400
 HEIGHT O/ALL ----- *1

CARGO SPACE-

-LENGTH ----- 4360
 -WIDTH ----- 2286
 -HGT OF SIDES ----- 550

TREAD, C TO C-

-FRONT ----- 1860
 -REAR ----- 1860

WHEELBASE ----- 3950

GROUND CLEARANCE ----- 279

PINTLE HEIGHT ----- 884

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 53
 TURNING RADIUS (MM) ----- 10,500
 FORDING DEPTH (MM) ----- 1190

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 35
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 685
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 80
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- 45 DEG

ANGLE OF DEPARTURE (DEG) ---- 45

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- MK 520 BERLIET
 TYPE ----- 5 CYL, 4 STROKE
 MAX HP AT RPM ----- 125 AT 2100
 MAX TORQUE (KG/M) ----- 52 AT 1400
 FUEL TYPE ----- MULTIFUEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 120
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 7.9

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 BY 20
 -PLY ----- 14
 -TYPE ----- XS
 -LOADED RADIUS (MM) - 542
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 200
 -AUX TANK ----- 40

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- 2F S&S SYNCHROMESH
 -NR SPEEDS FWD/RVSE - 6/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- YES
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) ---- 24 (4 12V BATTERIES)

WINCH-TYPE ----- MECHANICAL

-CAPACITY (KG) ----- 5000

-CABLE LENGTH (MM) --- 50,000

REMARKS:

1/ 3233 MM REDUCIBLE TO 2910 MM FOR AIR TRANSPORT

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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2320-17-4-34-B
NOMEN: TRUCK, CARGO, 4-TON, 6X6, BERLIET, GBC 8KT

PRODUCED/ADOPTED: 1960 TO DATE

CATALOG: TB-381-S-22
(OLD 17-2320-4-34)
COUNTRY: FRANCE
DATE UPDATED: 03AUG73



DATE CATALOGED: 01JUN68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-34-B

NOMEN: TRUCK, CARGO, 4-TON, 6X6, BERLIET, GBC 8KT

PRODUCED/ADOPTED: 1960 TO DATE

CATALOG: TB-381-5-22

(OLD 17-2320-4-34)

COUNTRY: FRANCE

DATE UPDATED: 03AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-35-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, RECOVERY, 3 TON, 6X6, BERLIET, GBC 8KT

(OLD 17-2320-4-35)

NATIVE DES: CAMION DE DEPANNAGE GBC 8KT
PRODUCED/ADOPTED: 1960 TO DATE

COUNTRY: FRANCE
DATE UPDATED: 03AUG73

(U)MANUFACTURED BY AUTOMOBILES M. BERLIET, AT LYONS, THIS 3-TON GBC 8KT RECOVERY TRUCK IS AN "ALL TERRAIN" VEHICLE FOR LIFTING AND TRANSPORTING HEAVY LOADS. THE TRUCK'S RAIL AND CHAIN HOIST CAN LIFT AND SUPPORT 2 TONS. THE RAIL, EXTENDING BEYOND THE REAR OF THE TRUCK TAILGATE, ALLOWS IT TO LIFT DISABLED VEHICLES AND EVACUATE THEM TO A REPAIR FACILITY. THE VEHICLE IS ALSO USED IN BOMB SERVICE FOR LIFTING AND TRANSPORTING AERIAL BOMBS FROM DEPOTS TO AIRFIELDS AND PLANES.

(U)THE FRAME AND OVERHEAD RAIL, IN THE CARGO AREA, CAN BE LOWERED APPROXIMATELY 2 FEET TO REDUCE THE TRUCK'S HEIGHT FOR AIR TRAVEL AND FOR CLEARANCE OF TUNNELS WHEN TRANSPORTED ON RAILWAY FLATCARS.

(U)THE MECHANICAL CHARACTERISTICS AND PERFORMANCE OF THIS VEHICLE ARE IDENTICAL TO THOSE OF THE GBC 8KT CARGO TRUCK (FOM-2320-17-4-34).

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-35-A

NOMEN: TRUCK, RECOVERY, 3 TON, 6X6, BERLIET, GBC 8KT

CATALOG: TB-361-5-22
 (OLD 17-2320-4-35)
 COUNTRY: FRANCE
 DATE UPDATED: 03AUG73

PRODUCED/ADOPTED: 1960 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 9600
 -PAYLOAD OFF HWY ----- 3003
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 12600
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 4400
 -EMPTY REAR ----- 2600 EA
 -LOADED FRONT OFF HWY - 4700
 -LOADED REAR OFF HWY -- 3950 EA
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY -- ?

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- 4000
 -ON HWY ----- 8000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8412
 WIDTH O'ALL ----- 2499
 HEIGHT O'ALL ----- *1
 CARGO SPACE-

-LENGTH ----- 4358
 -WIDTH ----- 2286
 -HGT OF SIDES ----- 762

TREAD, C TO C-

-FRONT ----- 1860
 -REAR ----- 1860

WHEELBASE ----- 3950

GROUND CLEARANCE ----- 279

PINTLE HEIGHT ----- 884

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 53%
 TURNING RADIUS (MM) ----- 10500
 FORDING DEPTH (MM) ----- 1190

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 35
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 685
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 80
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- 45 DEG

ANGLE OF DEPARTURE (DEG) --- 45

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- MK 520 BERLIET
 TYPE ----- 5 CYL, 4 STROKE
 MAX HP AT RPM ----- 125 AT 2100
 MAX TORQUE (KGM) ---- 52 AT 1400
 FUEL TYPE ----- MULTIFUEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 120
 STROKE (MM) ----- 140
 DISPLACEMENT (LITERS) 7.9

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 X 20
 -PLY ----- 14
 -TYPE ----- XS
 -LOADED RADIUS (MM) - 542
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 200
 -AUX TANK ----- 40

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- ZFS6.55 SYNCHROMESH
 -NR SPEEDS FWD/RVSE - 6/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- YES
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24 (4 12V BATTERIES)

WINCH-TYPE ----- MECHANICAL

-CAPACITY (KG) ----- 5000

-CABLE LENGTH (MM) -- 50,000

REMARKS:

1/ 3566 MM REDUCIBLE TO 2987 FOR AIR TRANSPORT

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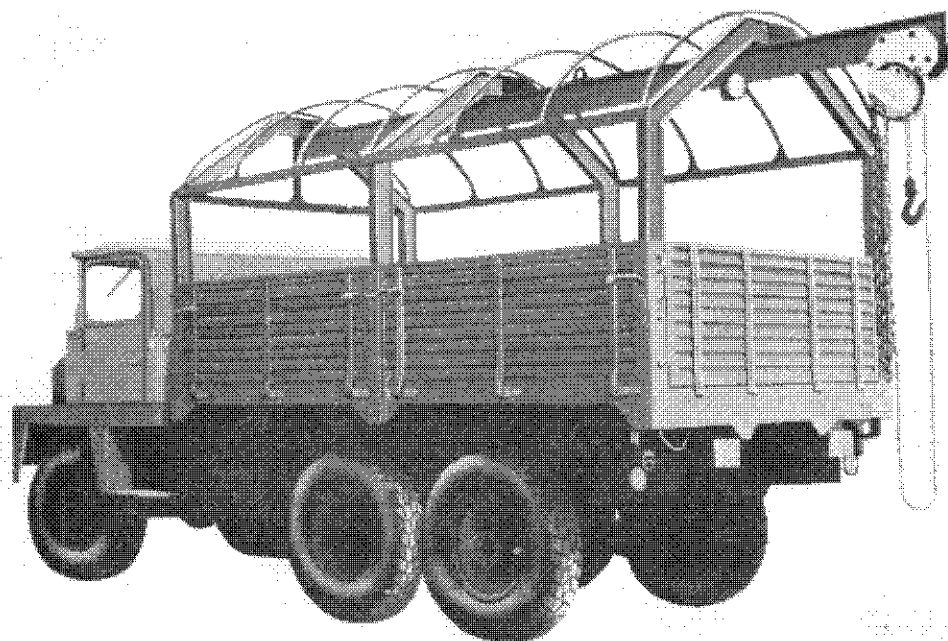
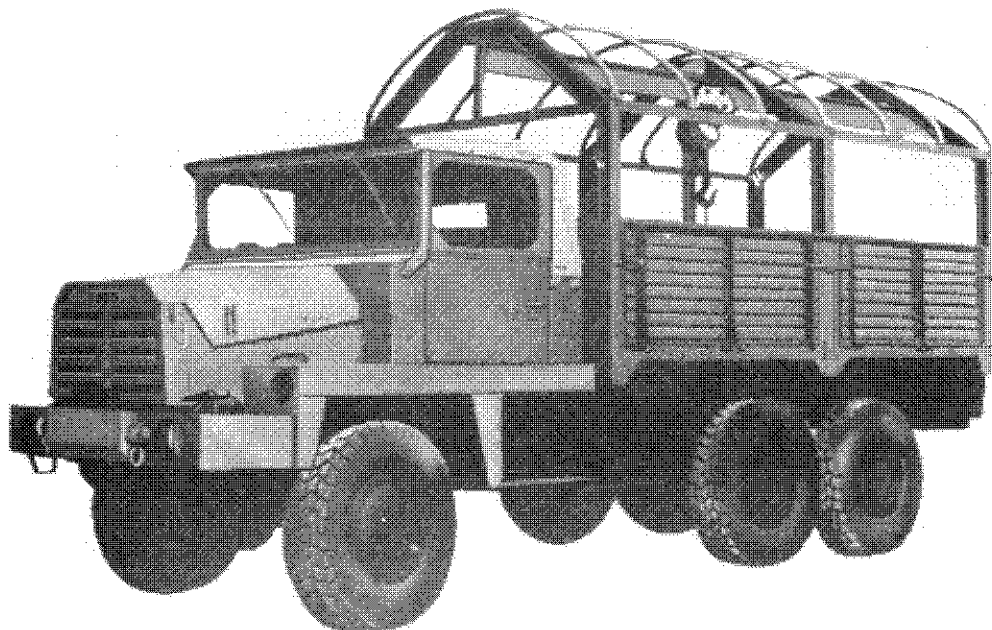
U N C L A S S I F I E D

FOM-2320-17-4-35-B

NOMEN: TRUCK, RECOVERY, 3 TON, 6X6, BERLIET, GBC 8KT

PRODUCED/ADOPTED: 1960 TO DATE

CATALOG: TS-381-5-22
(OLD 17-2320-4-35)
COUNTRY: FRANCE
DATE UPDATED: 03AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-35-B

NOMEN: TRUCK, RECOVERY, 3 TON, 6X6, BERLIET, GBC 8KT

PRODUCED/ADOPTED: 1960 TO DATE

CATALOG: TB-381-5-22

(OLD 17-2320-4-35)

COUNTRY: FRANCE

DATE UPDATED: 03AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-36-A

CATALOG: T6-381-5-22

NOMEN: TRUCK, TANK, POL, 4X2, 10,000 LITERS, JL29

(OLD 17-2320-4-36)

NATIVE DES: JL 29 PETROLIER-CITERNE, 10,000 LITRES
PRODUCED/ADOPTED: 1967 ??

COUNTRY: FRANCE
DATE UPDATED: 20JUL73

(U)THE JL29 FUEL SERVICE TRUCK IS DESIGNED TO TRANSPORT LIQUID POL PRODUCTS. THIS VEHICLE IS EQUIPPED WITH A FUEL FILTER, METER, LEVEL INDICATOR, CONTROL VALVES, SUCTION AND DELIVERY HOSES, AND A DISPENSING PUMP POWERED BY THE TRUCK'S TRANSMISSION.

(U)MADE OF STEEL, THE TANK BODY IS EQUIPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP.

(U)THIS TANK TRUCK IS PRODUCED BY SAVIEM, AND IS IN SERIES PRODUCTION FOR THE FRENCH ARMY PETROLEUM SERVICE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-36-A
 NOMEN: TRUCK, TANK, POL, 4X2, 10,000 LITERS, JL29

CATALOG: TB-381-5-22
 (DLD 17-2320-4-36)
 COUNTRY: FRANCE
 DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: 1967 ?/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- ?
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 3 IN CAB

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
 -ON HWY ----- N/A

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- ?
 WIDTH O'ALL ----- ?
 HEIGHT O'ALL ----- ?

CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- ?

GROUND CLEARANCE ----- ?

PINTLE HEIGHT ----- N/A

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 23

TURNING RADIUS (MM) ----- ?

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 80.4
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) 2

REMARKS:

ENGINE:

MODEL ----- ?
 TYPE ----- ?
 MAX HP AT RPM ----- 150 AT ?
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - ?
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

EQM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- ?
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- ?
 -REAR ----- ?

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- ?

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) --- N/A

TANK BODY:

MATERIAL ----- STEEL

NR COMPARTMENTS --- 1

LG X WD X HGT (MM) - ?

WEIGHT-EMPTY (KG) - ?

CAPACITY (LITERS) - 10,000

PUMP:

TYPE ----- ?

MODEL ----- ?

SPEED RPM ----- 1200

CAPACITY (LITERS P/MIN) ---- 385

HOSES:

SUCTION HOSE LENGTH (M) ----- ?

-DIAMETER (MM) ----- ?

DELIVERY HOSE LENGTH (M) ----- ?

-DIAMETER (MM) ----- ?

AUX DELIVERY HOSE LGTH (M) -- N/A

-DIAMETER (MM) ----- N/A

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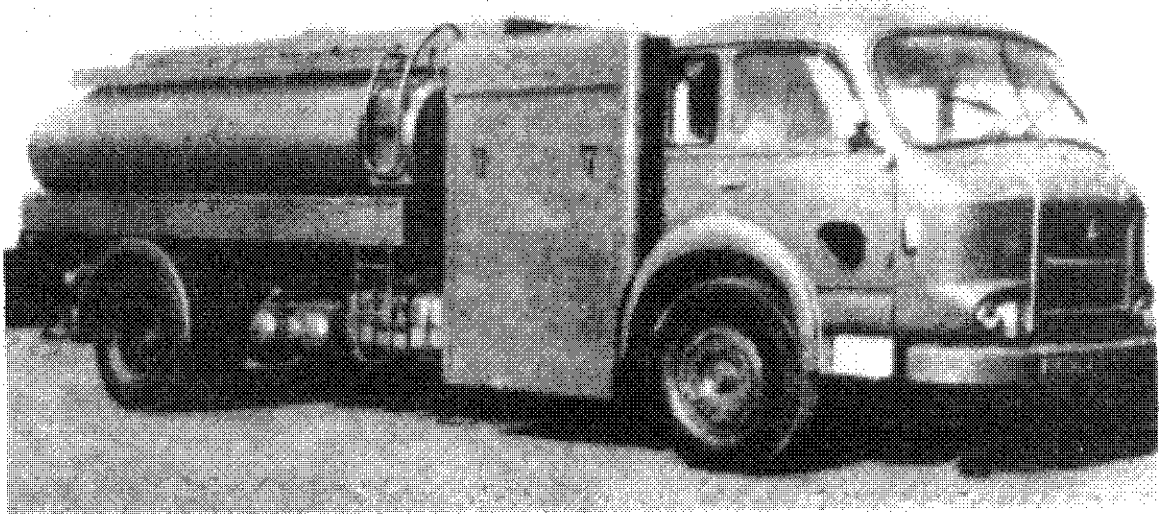
U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-36-6
NOMEN: TRUCK, TANK, PDL, 4X2, 10,000 LITERS, JL29

CATALOG: T8-381-5-22
IOLD 17-2320-4-361
COUNTRY: FRANCE
DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: 1967 ??



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-36-8
NOMEN: TRUCK, TANK, POL, 4X2, 10,000 LITERS, JL29
PRODUCED/ADOPTED: 1967 ??

CATALOG: TB-381-5-22
(OLD 17-2320-4-36)
COUNTRY: FRANCE
DATE UPDATED: 20JUL73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-37-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, UTILITY, 1/2 TON 6X4 (GRISON)

(OLD 17-2320-4-37)

NATIVE DES: LE TOUT TERRAIN SIPA "GRISON"

COUNTRY: FRANCE

PRODUCED/ADOPTED: PROTOTYPE

DATE UPDATED: 03AUG73

(U)DEVELOPED BY THE NEW INDUSTRIAL SOCIETY OF AERONAUTICS (SIPA), THE "GRISON" IS CAPABLE OF TRAVERSING DIFFICULT TERRAIN, HAS A FORDING CAPABILITY OF ABOUT 508 MILLIMETERS, AND CAN CLIMB A 60 DEG INCLINE. THIS VEHICLE HAS BOTH AN ELECTRIC AND A ROPE-PULL STARTER, A BOUYER TRANSMISSION WITH SIX SPEEDS FORWARD AND ONE REVERSE, A DIFFERENTIAL LOCK, AND DRIVE CHAINS CONNECTED TO THE FOUR REAR WHEELS WHICH ARE INDIVIDUALLY SUPPORTED. THE REAR SUSPENSION USES HELICAL SPRINGS AND DOUBLE-ACTION SHOCK ABSORBERS.

(U)THE CANVAS TOP AND SUPPORTING METAL FRAME CAN BE REMOVED AND THE WINDSHIELD CAN BE FOLDED DOWN TO PROVIDE A LOW SILHOUETTE AND TO FACILITATE LOADING INTO AN AIRCRAFT.

(U)PRODUCTION OF THE GRISON WILL DEPEND ON MILITARY ACCEPTANCE TESTS, INCLUDING AIR DROPPABILITY.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2120-17-4-37-A
 NOMEN: TRUCK, UTILITY, 1/2 TON 6X4 (GRISON)

CATALOG: TB-381-5-22
 (OLD 17-2320-4-37)
 COUNTRY: FRANCE
 DATE UPDATED: 03AUG73

PRODUCED/ADOPTED: PROTOTYPE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 600
 -PAYLOAD OFF HWY ----- 500
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 1100
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?
 PERSONNEL LOAD (NR) ----- 2 IN CAB.
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 2895
 WIDTH O'ALL ----- 1554
 HEIGHT O'ALL ----- ?
 CARGO SPACE-
 -LENGTH ----- 1493
 -WIDTH ----- 1341
 -HGT OF SIDES ----- FLAT PLATFORM
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- ?
 GROUND CLEARANCE ----- ?
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 173
 TURNING RADIUS (MM) ----- ?
 FORDING DEPTH (MM) ----- 500
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 45
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- BERNARD
 TYPE ----- ?
 MAX HP AT RPM ----- 8 AT 3600
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) 2.7

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 17.00 BY 14.5
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- OSCILLATING ARMS
 -REAR ----- OSCILLATING ARMS

TRANSMISSION-

-TYPE ----- BOUYER, MANUAL
 -NR SPEEDS FWD/RVSE - 6/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-17-4-37-B

NOMEN: TRUCK, UTILITY, 1/2 TON 6X4 (GRISON)

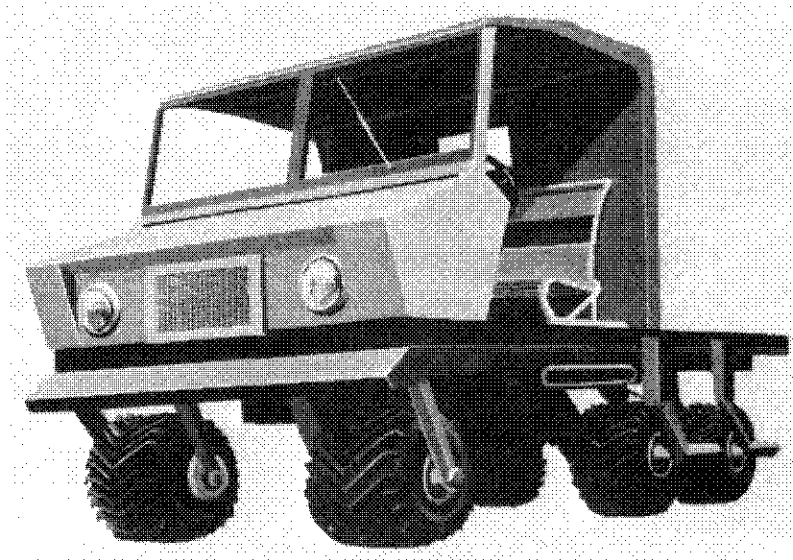
PRODUCED/ADOPTED: PROTOTYPE

CATALOG: TB-381-5-22

(OLD 17-2320-4-37)

COUNTRY: FRANCE

DATE UPDATED: 03AUG73



DATE CATALOGED: 01SEP68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-37-B
NOMEN: TRUCK, UTILITY, 1/2 TON 6X4 (GRISON)

PRODUCED/ADOPTED: PROTOTYPE

CATALOG: TB-381-5-22
(OLD 17-2320-4-37)
COUNTRY: FRANCE
DATE UPDATED: 03AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-17-4-38-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, UTILITY, 1/4 TON 4X4, M-201

(OLD 17-2320-4-38)

NATIVE DES: JEEP MILITAIRE, TYPE M-201

COUNTRY: FRANCE

PRODUCED/ADOPTED: 1967 TO DATE

DATE UPDATED: 06SEP73

(U)THE M-201 IS A GENERAL-PURPOSE PERSONNEL OR CARGO CARRIER ESPECIALLY SUITABLE FOR ADAPTATION TO GENERAL RECONNAISSANCE, COMMAND, COMMUNICATIONS, AND OTHER SPECIAL MILITARY DUTIES. IT IS POWERED BY A 4-CYLINDER GASOLINE ENGINE AND HAS AN OPEN-TYPE BODY THAT CAN ACCOMMODATE FOUR PASSENGERS. OTHER FEATURES ARE A REMOVABLE CANVAS TOP AND A FOLDDOWN WINDSHIELD.

(U)THE M-201 IS A COPY OF THE US M-38 AND IS MANUFACTURED BY THE HOTCHKISS-BRANDT COMPANY OF PARIS, FRANCE, UNDER AN AGREEMENT WITH THE KAISER JEEP CORPORATION OF TOLEDO, OHIO

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-38-A
NOMEN: TRUCK, UTILITY, 1/4 TON 4X4, M-201

CATALOG: TB-381-5-22
(OLD 17-2320-4-38)
COUNTRY: FRANCE
DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1967 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 1120
-PAYLOAD OFF HWY ----- 400
-PAYLOAD ON HWY ----- ?
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- 1520
-GROSS ON HWY ----- ?
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 605
-EMPTY REAR ----- 515
-LOADED FRONT OFF HWY - 684
-LOADED REAR OFF HWY - 836
-LOADED FRONT ON HWY - ?
-LOADED REAR ON HWY - ?
PERSONNEL LOAD (NR) ----- 4 W/DRIVER
MAX TOWED LOAD (KG)-
-OFF HWY ----- 500
-ON HWY ----- ?
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 3354
WIDTH O/ALL ----- 1585
HEIGHT O/ALL ----- *1
CARGO SPACE-
-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A
TREAD, C TO C-
-FRONT ----- 1250
-REAR ----- 1250
WHEELBASE ----- 2032
GROUND CLEARANCE ----- 220
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 65
TURNING RADIUS (MM) ----- 6100
FORDING DEPTH (MM) ----- 533
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 14.1
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 348
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 88.5
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- ?
ANGLE OF DEPARTURE (DEG) --- ?
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ?
TYPE ----- ?
MAX HP AT RPM ----- 61 AT 3600
MAX TORQUE (KGM) ----- ?
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - ?
BORE (MM) ----- ?
STROKE (MM) ----- ?
DISPLACEMENT (LITERS) ?
FOM NR ----- 2

GENERAL DATA:

TIRES-
-SIZE ----- 6.50 BY 16
-PLY ----- 6
-TYPE ----- ?
-LOADED RADIUS (MM) - 362
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 49
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- HYDRAULIC, ALL WHEELS
-PARKING TYPE ----- MECHANICAL
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS
TRANSMISSION-
-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 3/1
TRANSFER, NR SPEEDS --- 2
LOCKING DIFFERENTIAL-
-MANUAL ----- N/A
-AUTOMATIC ----- N/A
ELEC SYSTEM (VOLTS) --- 24 (TWO 12V BATTERIES)
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) --- ?

REMARKS:

1/ 1770 W/TOP DOWN 1586, REDUCIBLE TO 1374

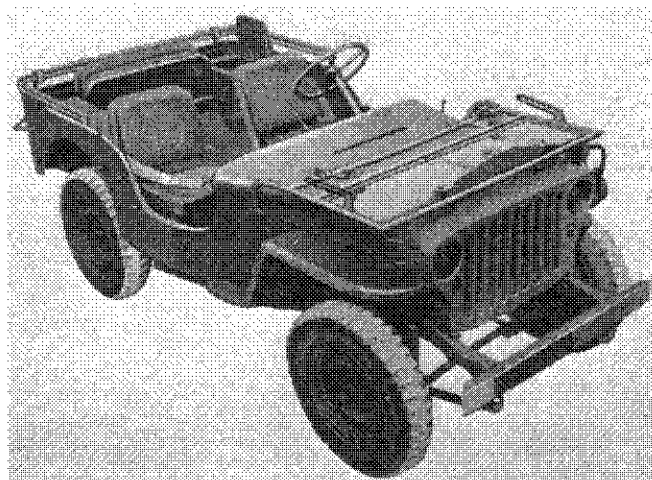
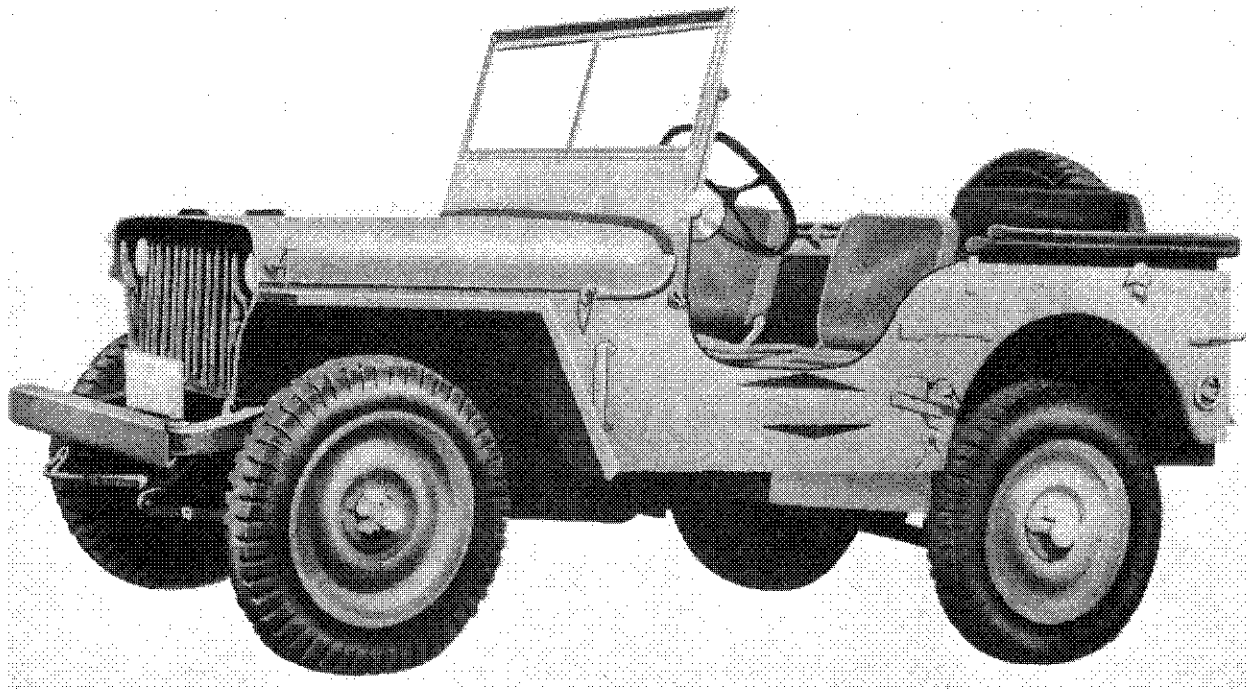
DATE CATALOGED: 01MAR69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-38-B
NOMEN: TRUCK, UTILITY, 1/4 TON 4X4, M-201
PRODUCED/ADOPTED: 1967 TO DATE

CATALOG: TB-381-5-22
(OLD 17-2320-4-38)
COUNTRY: FRANCE
DATE UPDATED: 06SEP73



DATE CATALOGED: 01MAR69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-38-B

NOMEN: TRUCK, UTILITY, 1/4 TON 4X4, M-201

PRODUCED/ADOPTED: 1967 TO DATE

CATALOG: TB-381-5-22

(OLD 17-2320-4-38)

COUNTRY: FRANCE

DATE UPDATED: 06SEP73

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DATE CATALOGED: 01MAR69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-39-A

CATALOG: TB-381-S-22

NOMEN: TRUCK, CARGO, 3-TON, 4 X 4, SIMCA F594 WML

(OLD 17-2320-4-39)

NATIVE DES: LE CAMION SIMCA A4 ROUES MOTRICES F594 WML
PRODUCED/ADOPTED: 1967 TO DATE

COUNTRY: FRANCE
DATE UPDATED: 03AUG73

(U)THE F 594 WML, MANUFACTURED BY SIMCA INDUSTRIES OF PARIS, FRANCE, IS THE STANDARD 3-TON VEHICLE ORGANIC TO THE FRENCH ARMY. IT WILL PROBABLY REPLACE ALL US-MADE GMC TRUCKS OF THE SAME CLASS PRESENTLY INCLUDED IN THEIR ARMY INVENTORY. THE VEHICLE HAS A CROSS-COUNTRY CAPABILITY FOR THE TRANSPORT OF CARGO AND PERSONNEL AND CAN TOW A TRAILER OR AN ARTILLERY PIECE OF TWO METRIC TONS. THE TRUCK HAS A CAB-OVER-ENGINE CONFIGURATION. TO REDUCE THE TRUCK'S SILHOUETTE, THE CAB'S TOP AND SIDE CURTAINS ARE REMOVABLE AS ARE THE BOWS AND TARPAULIN OVER THE CARGO AREA.

DATE CATALOGED: 01MAR67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-39-A

NOMEN: TRUCK, CARGO, 3-TON, 4 X 4, SIMCA F594 WML

CATALOG: TB-381-5-22

(OLD 17-2320-4-39)

COUNTRY: FRANCE

DATE UPDATED: 03AUG73

PRODUCED/ADOPTED: 1967 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4745
 -PAYLOAD OFF HWY ----- 3180
 -PAYLOAD ON HWY ----- 5000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 7925
 -GROSS ON HWY ----- 9745
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2015
 -EMPTY REAR ----- 2730
 -LOADED FRONT OFF HWY - 3260
 -LOADED REAR OFF HWY -- 4665
 -LOADED FRONT ON HWY -- 4000
 -LOADED REAR ON HWY --- 5745

PERSONNEL LOAD (NR) ----- 2 IN CAB, 20 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- 2000
 -ON HWY ----- 4000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6800
 WIDTH O/ALL ----- 2287
 HEIGHT O/ALL ----- *1
 CARGO SPACE-
 -LENGTH ----- 4665
 -WIDTH ----- 2165
 -HGT OF SIDES ----- 305
 TREAD, C TO C-
 -FRONT ----- 1700
 -REAR ----- 1750
 WHEELBASE ----- 3655
 GROUND CLEARANCE ----- 290
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 40
 TURNING RADIUS (MM) ----- 9750
 FORDING DEPTH (MM) ----- 800
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 40
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 300
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 80
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 33 DEG
 ANGLE OF DEPARTURE (DEG) --- 25
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- SIMCA V-8
 TYPE ----- 8 CYL, 4 STROKE
 MAX HP AT RPM ----- 85 AT 2900
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) 3.900

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 9.00 BY 20
 -PLY ----- 10
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 490
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 120
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- VACUUM-HYDRAULIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1 (3 SYNCHROMESH)
 TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24 (TWO 12V BATTERIES)

WINCH-TYPE ----- MECHANICAL

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- 60,000

REMARKS:

1/ 3170 MM, CAN BE REDUCED TO 2134 MM.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-17-4-39-B

NOMEN: TRUCK, CARGO, 3-TON, 4 X 4, SIMCA F594 WML

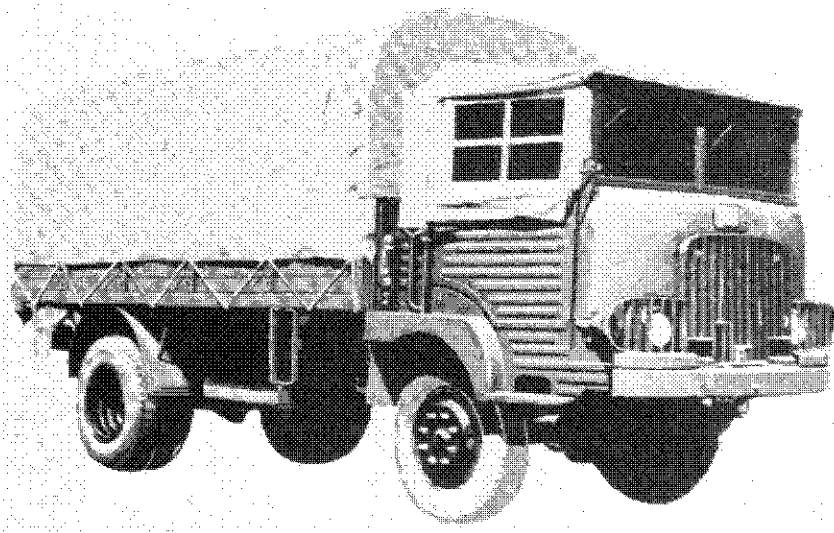
PRODUCED/ADOPTED: 1967 TO DATE

CATALOG: TB-381-5-22

(OLD 17-2320-4-39)

COUNTRY: FRANCE

DATE UPDATED: 03AUG73



DATE CATALOGED: 01MAR67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-39-B

NOMEN: TRUCK, CARGO, 3-TON, 4 X 4, SIMCA F594 WML

PRODUCED/ADOPTED: 1967 TO DATE

CATALOG: TB-381-5-22

(OLD 17-2320-4-39)

COUNTRY: FRANCE

DATE UPDATED: 03AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-40-A

CATALOG: TB-341-S-22

NOMEN: TRUCK, UTILITY, 1/4 TON, 4X4, BERLINE RENAULT 4

(OLD 17-2320-4-40)

NATIVE DES: BERLINE RENAULT 4, 4X4

COUNTRY: FRANCE

PRODUCED/ADOPTED: 1967 TO DATE

DATE UPDATED: 30AUG73

(U)THE BERLINE RENAULT 4, MANUFACTURED BY RENAULT-SINPAR OF BOULOGNE, IS THE RESULT OF MODIFYING THE ORIGINAL RENAULT 4 BY ADDING A SINPAR ALL-WHEEL-DRIVE CONVERSION KIT. THIS KIT CONSISTS OF A TRANSFER CASE MOUNTED IN FRONT OF THE FRONT AXLE DIFFERENTIAL. POWER IS TRANSMITTED OVER A LONG PROPELLER SHAFT FROM THE FRONT DIFFERENTIAL TO THE REAR DIFFERENTIAL THAT HAS BEEN ADDED. GEAR RATIOS ARE LOWER THAN THOSE OF THE STANDARD 2-WHEEL DRIVE VERSION AND THE BRAKES HAVE BEEN IMPROVED. THE TRANSFER CASE PERMITS SIX FORWARD AND TWO REVERSE SPEEDS WHEN BOTH THE FRONT AND REAR AXLES ARE ENGAGED.

(U)INTENDED TO TRANSPORT FOUR PERSONS OVER ROUGH TERRAIN, THE VEHICLE IS UTILIZED BY THE GENDARMERIE IN THE MOUNTAINOUS REGIONS OF FRANCE, AND BY THE FRENCH AIR FORCE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-17-4-40-A
 NOMEN: TRUCK, UTILITY, 1/4 TON, 4X4, BERLINE RENAULT 4

CATALOG: TB-381-5-22
 (OLD 17-2320-4-40)
 COUNTRY: FRANCE
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1967 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- ?
 -PAYLOAD OFF HWY ----- 350
 -PAYLOAD ON HWY ----- 350
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 4 INCL DRIVER

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- ?

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 3659
 WIDTH O/ALL ----- 1493
 HEIGHT O/ALL ----- 1524

CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- ?

GROUND CLEARANCE ----- ?

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) --

TURNING RADIUS (MM) ----- ?

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 5.5
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 110
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- RENAULT 4
 TYPE ----- 4 CYLINDER, IN-LINE OHV
 MAX HP AT RPM ----- 26 AT ?
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FGM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- ?
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- ?
 -REAR ----- ?

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 3/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-40-B

NOMEN: TRUCK, UTILITY, 1/4 TON, 4X4, BERLINE RENAULT 4

PRODUCED/ADOPTED: 1967 TO DATE

CATALOG: TB-381-5-22

(OLD 17-2320-4-40)

COUNTRY: FRANCE

DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-40-8

NOMEN: TRUCK, UTILITY, 1/4 TON, 4X4, BERLINE RENAULT 4

PRODUCED/ADOPTED: 1967 TO DATE

CATALOG: TB-381-5-22

(OLD 17-2320-4-40)

COUNTRY: FRANCE

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-41-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 1-TON, 4X4, TP3 SAVIEM-RENAULT

(OLD 17-2320-4-41)

NATIVE DES: RENAULT-SAVIEM TP3 PLATEAU BACHE ARMEE
PRODUCED/ADOPTED: 1967 TO DATECOUNTRY: FRANCE
DATE UPDATED: 30AUG73

(U)THE TP 3 CAB-OVER-ENGINE CARGO TRUCK, MANUFACTURED FOR THE FRENCH ARMY BY SAVIEM-RENAULT, SURESNES, IS A CROSS-COUNTRY VEHICLE WITH A PLATFORM BODY AND A MILITARY-TYPE OPEN CAB. A REMOVABLE NYLON TOP, DOOR CURTAIN, A REAR CURTAIN, AND METAL FRAMES PROVIDE PROTECTION IN INCLEMENT WEATHER. THE FOLDDOWN WINDSHIELD AIDS IN LOWERING THE SILHOUETTE. THE CARGO AREA HAS HINGED DROP SIDES AND A TAILGATE FITTED WITH A FOLDING STEP. REMOVABLE BENCHES, RUNNING LONGITUDINALLY ON BOTH SIDES OF THE CARGO AREA, AND REMOVABLE BOWS AND CANVAS COVER ADD TO THE VEHICLE'S VERSATILITY.

(U)THERE ARE TWO SEATS IN THE CAB (THE DRIVER'S SEAT IS ADJUSTABLE). A FRONT-TILTING HOOD, LOCATED BETWEEN THE SEATS, PROVIDES EASY ACCESS TO THE ENGINE. IF REQUIRED, A THIRD SEAT MAY BE PLACED OVER THE ENGINE HOOD.

(U)ALTHOUGH NORMALLY EQUIPPED WITH A RENAULT 817-01, 4-CYLINDER GASOLINE ENGINE, THE TP 3 IS ALSO AVAILABLE WITH A RENAULT 712-03, 4-CYLINDER DIESEL ENGINE. THE 2-CIRCUIT VACUUM-HYDRAULIC BRAKES ARE FITTED WITH A PRESSURE-LIMITER ON THE REAR CIRCUIT. THIS FEATURE AUTOMATICALLY BALANCES BRAKING IN RELATION TO THE VEHICLE LOAD. PREVENTS THE REAR BRAKES FROM LOCKING, AND REDUCES THE POSSIBILITY OF SKIDDING.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-41-A
 NGMEN: TRUCK, CARGO, 1-TON, 4X4, TP3 SAVIEM-RENAULT

CATALOG: TB-381-5-22
 (OLD 17-2320-4-41)
 COUNTRY: FRANCE
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1967 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 2620
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 1330
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 3950
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 1110
 -EMPTY REAR ----- 1510
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 1960
 -LOADED REAR ON HWY -- 1990
 PERSONNEL LOAD (NR) ---- 2 IN CAB, 12 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 1000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 4997
 WIDTH O/ALL ----- 1996
 HEIGHT O/ALL ----- 2510
 CARGO SPACE-
 -LENGTH ----- 3000
 -WIDTH ----- 1870
 -HGT OF SIDES ----- 450
 TREAD, C TO C-
 -FRONT ----- 1641
 -REAR ----- 1661
 WHEELBASE ----- 2640
 GROUND CLEARANCE ----- ?
 PINTLE HEIGHT ----- 928
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 50
 TURNING RADIUS (MM) ----- 7250
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 90
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- RENAULT 817-01
 TYPE ----- 4 CYLINDER
 MAX HP AT RPM ----- 75 AT 3200
 MAX TORQUE (KGM) ----- 19.5
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 93
 STROKE (MM) ----- 96
 DISPLACEMENT (LITERS) 2.6
 FOM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 9.00 X 16XY
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 72
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC VACUUM ASSIST
 -PARKING TYPE ----- *1
 SUSPENSION SYSTEM-
 -FRONT ----- *2
 -REAR ----- *3
 TRANSMISSION-
 -TYPE ----- MANUAL (SYNCHROMESH)
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24 (TWO 12V BATTERIES)
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

- 1/ MECHANICAL ON REAR WHEELS
- 2/ SEMIELLIPITIC SPRINGS W/SHOCK ABSORBERS
- 3/ SEMIELLIPITIC SPRINGS W/SHOCK ABSORBERS

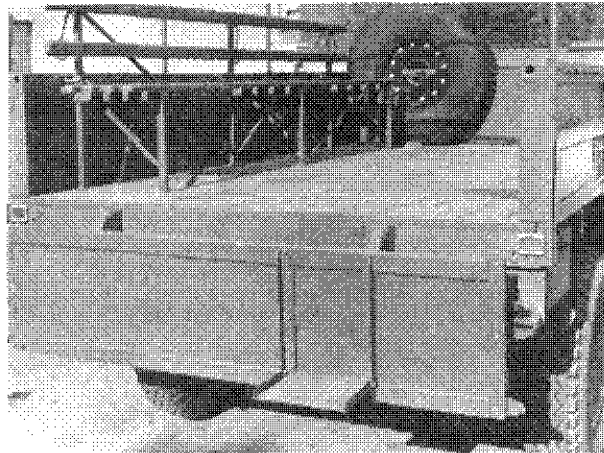
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-41-B
NGMEN: TRUCK, CARGO, 1-TON, 4X4, TP3 SAVIEM-RENAULT
PRODUCED/ADOPTED: 1967 TO DATE

CATALOG: TB-981-5-22
(OLD 17-2320-4-41)
COUNTRY: FRANCE
DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-41-8

NOMEN: TRUCK, CARGO, 1-TON, 4X4, TP3 SAVIEM-RENAULT

PRODUCED/ADOPTED: 1967 TO DATE

CATALOG: T8-381-5-22

(OLD 17-2320-4-41)

COUNTRY: FRANCE

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-17-4-42-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, UTILITY, 1 1/4-TON, 4X4, UB 100 BISON

(OLD 17-2320-4-42)

NATIVE DES: VEHICULE LEGER VB 100, BISON
PRODUCED/ADOPTED: PROTOTYPE/

COUNTRY: FRANCE
DATE UPDATED: 06SEP73

(U)DEVELOPED BY THE SOCIETE DES FORGES ET ATELIERS DU CREUSOT (S.F.A.C.), THE VB 100 BISON IS A LIGHT AMPHIBIOUS VEHICLE. IT CAN BE USED AS A COMMAND AND RECONNAISSANCE VEHICLE, AN AMBULANCE, A WEAPONS CARRIER, OR AS A FIELD SUPPLY VEHICLE.

(U)THE BISON CAN CARRY SIX MEN WITH THEIR INDIVIDUAL EQUIPMENT AND A DRIVER; WHEN USED AS AN AMBULANCE, IT CAN CARRY TWO STRETCHERS AND FOUR MEN IN A LOADING AREA OF 2.42 SQUARE METERS. FOUR, LARGE-CAPACITY, 9.00 X 16 LOW-PRESSURE TIRES INSURE GOOD CROSS-COUNTRY CAPABILITY AT A GROUND PRESSURE OF 0.83 KGS/SQ CM. THE VEHICLE CAN BE AIRLIFTED AND AIRODROPPED BY PARACHUTE.

(U)THE BISON IS STILL UNDERGOING TESTS.

DATE CATALOGED: 01DEC70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-42-A

NOMEN: TRUCK, UTILITY, 1 1/4-TON, 4X4, UB 100 BISON

CATALOG: TB-381-5-22

(OLD 17-2320-4-42)

COUNTRY: FRANCE

DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: PROTOTYPE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 2240
 -PAYLOAD OFF HWY ----- 1250
 -PAYLOAD ON HWY ----- 1500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 3490
 -GROSS ON HWY ----- 3740
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1050
 -EMPTY REAR ----- 1190
 -LOADED FRONT OFF HWY - 1570
 -LOADED REAR OFF HWY - 1920
 -LOADED FRONT ON HWY - 1680
 -LOADED REAR ON HWY - 2160

PERSONNEL LOAD (NR) ----- DRIVER, SIX MEN

MAX TOWED LOAD (KG)-

-OFF HWY ----- 2
 -ON HWY ----- 2

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 4090
 WIDTH O'ALL ----- 1790
 HEIGHT O'ALL ----- 1800

CARGO SPACE-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 1500

GROUND CLEARANCE ----- 330

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL - N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60

TURNING RADIUS (MM) ----- ?

FORWDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 19
 -WATER (L/HR) ----- 7

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 90
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- ?

ANGLE OF DEPARTURE (DEG) ----- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- 4 CYL, AIR COOLED

TYPE ----- ?

MAX HP AT RPM ----- 90 AT 2300

MAX TORQUE (KGM) ----- ?

FUEL TYPE ----- GASOLINE

COOLING SYSTEM-TYPE - ?

BORE (MM) ----- ?

STROKE (MM) ----- ?

DISPLACEMENT (LITERS) ?

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 9.00 BY 16

-PLY ----- ?

-TYPE ----- ?

-LOADED RADIUS (MM) - ?

-INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- ?

-AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC

-PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS

-REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- MANUAL

-NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- ?

LOCKING DIFFERENTIAL-

-MANUAL ----- ?

-AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24 (TWO 12V BATTERIES)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?

-CABLE LENGTH (MM) -- ?

REMARKS:

DATE CATALOGED: 01DEC70

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-17-4-42-B

NOMEN: TRUCK, UTILITY, 1 1/4-TON, 4X4, UB 100 BISON

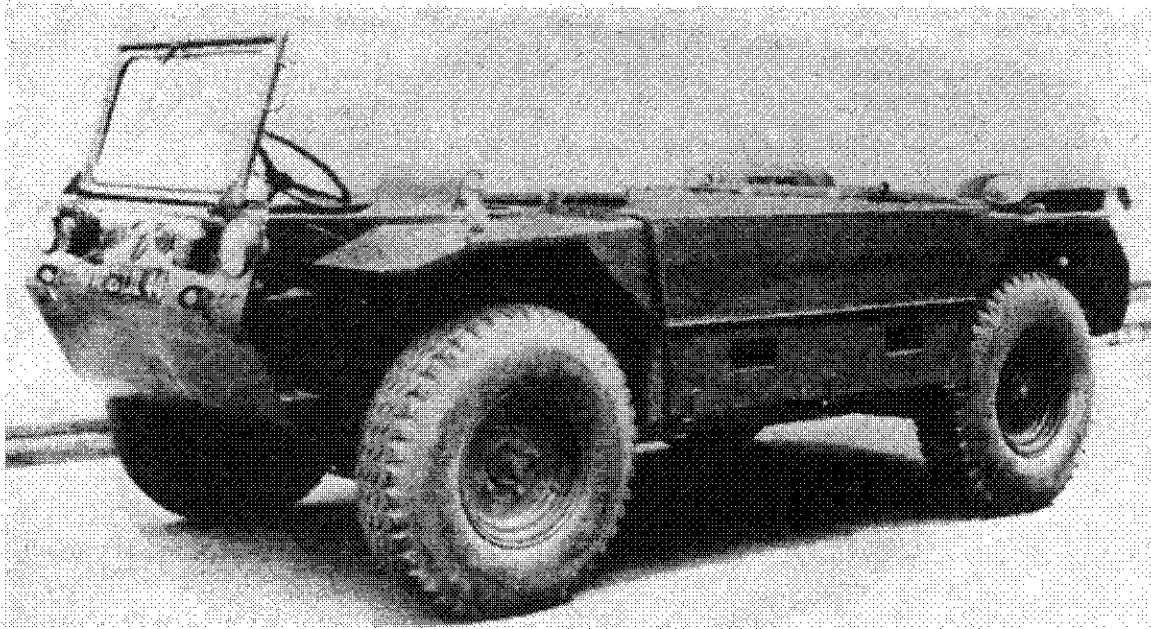
PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: IS-381-5-22

(OLD 17-2320-4-42)

COUNTRY: FRANCE

DATE UPDATED: 06SEP73



DATE CATALOGED: 01DEC70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-4-42-B

NOMEN: TRUCK, UTILITY, 1 1/4-TON, 4X4, UB 100 BISON

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: Y8-381-5-22

(OLD 17-2320-4-42)

COUNTRY: FRANCE

DATE UPDATED: 06SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-5-1-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TRACTOR, 10-TON, 8X8, T12 (BERLIET

(OLD 17-2320-5-1)

NATIVE DES: TRACTEUR SEMI-REMORQUE 8X8 10-TONNEAU NATO
PRODUCED/ADOPTED: 1962 TO DATE

COUNTRY: FRANCE
DATE UPDATED: 30AUG73

{U}THE 4-AXLE T 12, 10-TON TRUCK, TRACTOR, CHARACTERIZED BY ITS CAB-OVER-ENGINE CONFIGURATION, IS MANUFACTURED BY AUTOMOBILES M. BERLIET, LYONS, FRANCE. THE TRUCK'S COMFORTABLE 4-MAN CAB PROVIDES EXCELLENT VISIBILITY. UNLIKE COMPARABLE FOREIGN 4-AXLE VEHICLES, THE T 12 HAS DUAL TIRES ON ITS FOUR REAR WHEELS. DESIGNED TO TOW A LOW-BED SEMITRAILER OVER ROUGH TERRAIN, IT CAN TRANSPORT A TANK WITH A GROSS WEIGHT UP TO 50 METRIC TONS.

{U}THE T12 HAS A HYDROMECHANICAL CONVERTER TRANSMISSION AND A TRANSFER CASE INTEGRAL WITH THE TRANSMISSION. DOUBLE-REDUCTION FINAL DRIVES AND POWER-DIVIDER ARRANGEMENTS ON EACH BOGIE DRIVE INDIVIDUAL WHEELS. THE TWO FRONT AXLES ARE STEERABLE.

DATE CATALOGED: 01DEC69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-5-1-A
 NOMEN: TRUCK, TRACTOR, 10-TON, 8X8, T12 (BERLIET)

CATALOG: TB-381-5-22
 (OLD 17-2320-5-1)
 COUNTRY: FRANCE
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1962 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 31,000
 -PAYLOAD OFF HWY ----- *1
 -PAYLOAD ON HWY ----- *2
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 61,027
 -GROSS ON HWY ----- 61,027
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 8137 EA
 -EMPTY REAR ----- 7363 EA
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY -- ?
 PERSONNEL LOAD (NR) ----- 4 INCL DRIVER
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 45,000
 -ON HWY ----- 45,000
 MAX SEMITRAILER (KG)-
 -GROSS ----- ?

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 8825
 WIDTH O/ALL ----- 3250
 HEIGHT O/ALL ----- 3104
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 2504
 -REAR ----- 2340
 WHEELBASE ----- 4600
 GROUND CLEARANCE ----- 550
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL --- 1633

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60
 TURNING RADIUS (MM) ----- 15,544
 FORDING DEPTH (MM) ----- 1200
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 123.6
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 324
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 56
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 45 DEG
 ANGLE OF DEPARTURE (DEG) --- 45
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- BERLIET MS 1240
 TYPE ----- V12, 4 STROKE
 MAX HP AT RPM ----- 550 AT 1800
 MAX TORQUE (KGM) ----- 239 AT 1500
 FUEL TYPE ----- MULTIFUEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 140
 STROKE (MM) ----- 160
 DISPLACEMENT (LITERS) 29.54

FOM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 16.00 BY 20
 -PLY ----- ?
 -TYPE ----- XS
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 200
 -AUX TANK ----- 200
 BRAKES-
 -PRIMARY TYPE ----- AIR
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- *3
 -REAR ----- COIL SPRINGS
 TRANSMISSION-
 -TYPE ----- HYDROMECHANICAL 16420
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 24 (TWO 12V BATTERIES)
 WINCH-TYPE ----- MECHANICAL
 -CAPACITY (KG) ----- 30,000
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ 30,027KG VERTICAL PRESSURE ON FIFTH WHEEL WITH SEMITRAILER LOADED
 2/ 30,027KG VERTICAL PRESSURE ON FIFTH WHEEL WITH SEMITRAILER LOADED
 3/ SEMIELLIPTIC LEAF SPRINGS, INVERTED.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-5-1-8

NOMEN: TRUCK, TRACTOR, 10-TON, 8X8, T12 (BERLIET

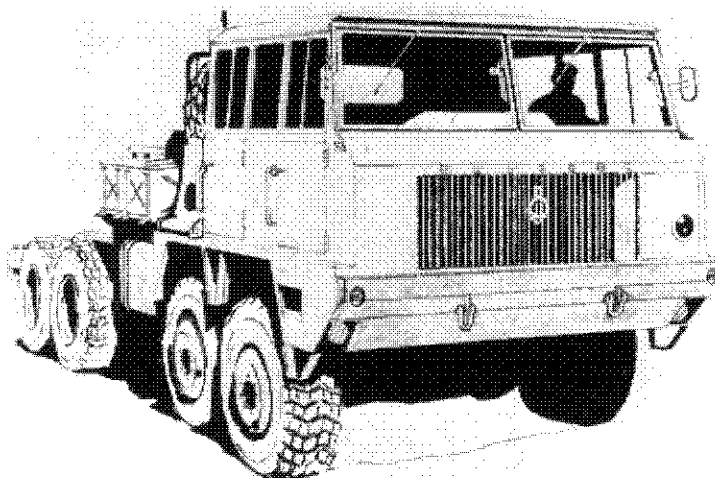
PRODUCED/ADOPTED: 1962 TO DATE

CATALOG: TB-381-5-22

(OLD 17-2320-5-1)

COUNTRY: FRANCE

DATE UPDATED: 30AUG73



DATE CATALOGED: 01DEC69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-5-1-B

NOMEN: TRUCK, TRACTOR, 10-TON, 8X8, T12 (BERLIET

PRODUCED/ADOPTED: 1962 TO DATE

CATALOG: TB-381-5-22

(OLD 17-2320-5-1)

COUNTRY: FRANCE

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-5-3-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TRACTOR, 6X6, BERLIET, TBC 8KT

(OLD 17-2320-5-3)

NATIVE DES: TRACTEUR DE SEMI-REMORQUE TBC 8CT
PRODUCED/ADOPTED: 2/

COUNTRY: FRANCE
DATE UPDATED: 06SEP73

(U)THE MECHANICAL CHARACTERISTICS OF THIS TBC 8KT TRACTOR TRUCK, MANUFACTURED BY AUTOMOBILES M. BERLIET, LYON, ARE IDENTICAL TO THOSE OF THE GBC 8KT CARGO TRUCK(FOM-2320-17-4-34). THE 3-PLACE OPEN CAB IS FITTED WITH A REMOVABLE CANVAS TOP AND FOLDING FRAMES AND A FOLDDOWN WINDSHIELD. SINGLE AND TWIN-LEAD BRAKE LINES AND ELECTRICAL CONNECTIONS ARE PROVIDED FOR THE ATTACHMENT OF A SEMITRAILER. THIS TRACTOR, IN SERVICE IN THE FRENCH ARMY, IS MOST OFTEN SEEN TOWING A SEMITRAILER-TYPE CODER KN 2.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-5-3-A
NOMEN: TRUCK, TRACTOR, 6x6, BERLIET, TBC 8XT

CATALOG: TB-381-5-22
(OLD 17-2320-5-3)
COUNTRY: FRANCE
DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: ?/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 7740
-PAYLOAD OFF HWY ----- *1
-PAYLOAD ON HWY ----- *2
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- 12500
-GROSS ON HWY ----- 13740
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 4250
-EMPTY REAR ----- 1745 EA
-LOADED FRONT OFF HWY - 4400
-LOADED REAR OFF HWY -- 4050 EA
-LOADED FRONT ON HWY -- ?
-LOADED REAR ON HWY --- ?
PERSONNEL LOAD (NR) ----- 3
MAX TOWED LOAD (KG)-
-OFF HWY ----- 7000
-ON HWY ----- 10000
MAX SEMITRAILER (KG)-
-GROSS ----- 10000

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6251
WIDTH O'ALL ----- 2400
HEIGHT O'ALL ----- 2670
CARGO SPACE-
-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A
TREAD, C TO C-
-FRONT ----- 1860
-REAR ----- 1860
WHEELBASE ----- 3950
GROUND CLEARANCE ----- 280
PINTLE HEIGHT ----- 950
HGT TO C OF 5TH WHL --- 1528

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 28
TURNING RADIUS (MM) ----- 10,500
FORDING DEPTH (MM) ----- 1200
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 50
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 400
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 75
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- 45
ANGLE OF DEPARTURE (DEG) --- 45
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- MK 520 BERLIET
TYPE ----- 5 CYLINDER
MAX HP AT RPM ----- 125 AT 2100
MAX TORQUE (KGM) ----- ?
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - ?
BORE (MM) ----- ?
STROKE (MM) ----- ?
DISPLACEMENT (LITERS) ?
FOM NR ----- N/A

GENERAL DATA:

TIRES-
-SIZE ----- 12.00 8Y 20
-PLY ----- ?
-TYPE ----- ?
-LOADED RADIUS (MM) - 532
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 200
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- PNEUMATIC
-PARKING TYPE ----- ?
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLIPTIC SPRINGS
-REAR ----- SEMIELLIPTIC SPRINGS
TRANSMISSION-
-TYPE ----- ZF 56,55, SYNCHROMESH
-NR SPEEDS FWD/RVSE - 6/1
TRANSFER, NR SPEEDS --- 7
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 24 (4 12V BATTERIES)
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

1/ 6000 (ON FIFTH WHEEL)
2/ 4760 (ON FIFTH WHEEL)

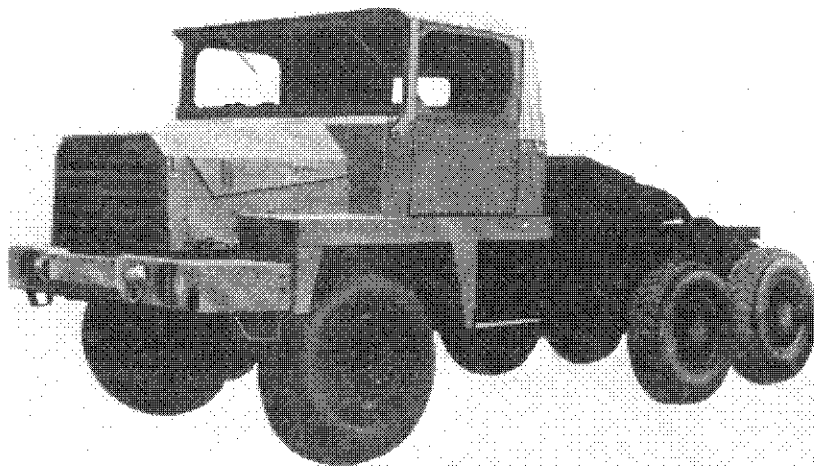
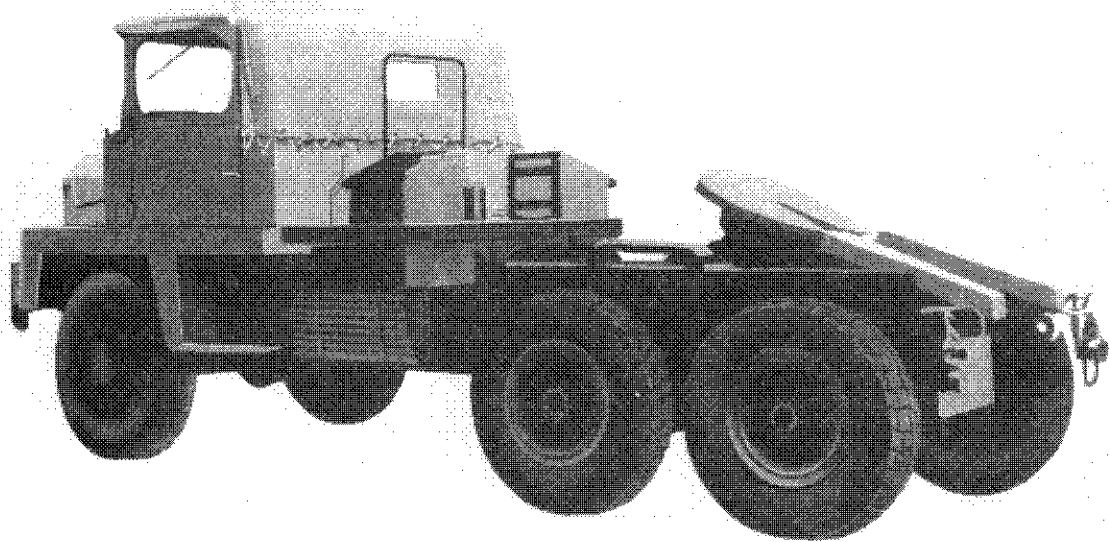
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-17-5-3-B
NOMEN: TRUCK, TRACTOR, 6X6, BERLIET, TBC 8KT
PRODUCED/ADOPTED: 2/

CATALOGG: TB-381-5-22
(OLD 17-2320-5-3)
COUNTRY: FRANCE
DATE UPDATED: 06SEP73



DATE CATALOGED: 01JUN68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-5-3-8

NOMEN: TRUCK, TRACTOR, 6X6, BERLIET, TBC BKT

PRODUCED/ADOPTED: 77

CATALOG: TB-381-5-22

(OLD 17-2320-5-3)

COUNTRY: FRANCE

DATE UPDATED: 06SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-5-4-A

CATALOG: TB-381-S-22

NOMEN: TRUCK TRACTOR, 6-TON 6X6, T.B.U.-15

(DLD 17-2320-5-4)

NATIVE DES: TRACTEUR BERLIET T.B.U.-15
PRODUCED/ADOPTED: 1963 TO DATE

COUNTRY: FRANCE
DATE UPDATED: 30AUG73

(U) THE T.B.U.-15 IS THE TRUCK, TRACTOR VERSION OF THE G.B.U.-15 TRUCK, CARGO (FOM-2320-17-4-6) MANUFACTURED BY M. BERLIET, LYON, FRANCE. IT IS NORMALLY USED IN COMBINATION WITH THE CODER SEMI-TRAILER (GM 2E-1750) AND IS CAPABLE OF TRANSPORTING TRACTOR DOZERS, SUCH AS THE CD-8 AND THE HD-15.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-17-5-4-A
 NOMEN: TRUCK TRACTOR, 6-TON 6X6, T.B.U.-15

CATALOG: TB-381-5-22
 (OLD 17-2320-5-4)
 COUNTRY: FRANCE
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1963 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 14500
 -PAYLOAD OFF HWY ----- 6000 (FIFTH WHEEL)
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 20500
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 6820
 -EMPTY REAR ----- 3840
 -LOADED FRONT OFF HWY - 6970
 -LOADED REAR OFF HWY -- 7265 EA
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY --- ?
 PERSONNEL LOAD (NR) ----- 4 INCL DRIVER
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 17000
 -ON HWY ----- 26000
 MAX SEMITRAILER (KG)-
 -GROSS ----- 17000

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7438
 WIDTH O/ALL ----- 2500
 HEIGHT O/ALL ----- 2955
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 2040
 -REAR ----- 2040
 WHEELBASE ----- 4205
 GROUND CLEARANCE ----- 300
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL --- 1552

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60
 TURNING RADIUS (MM) ----- 9000
 FORDING DEPTH (MM) ----- 1000
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 60
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 670
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 75
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- 45
 ANGLE OF DEPARTURE (DEG) --- 45
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- BERLIET MK 640
 TYPE ----- 6 CYLINDER IN-LINE
 MAX HP AT RPM ----- 200 AT 1800
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?
 FOM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 14.00 BY 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 595
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 200
 -AUX TANK ----- 200
 BRAKES-
 -PRIMARY TYPE ----- AIR
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL BERLIET F80A
 -NR SPEEDS, FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 24 (FOUR X 12V BATTERIES)
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

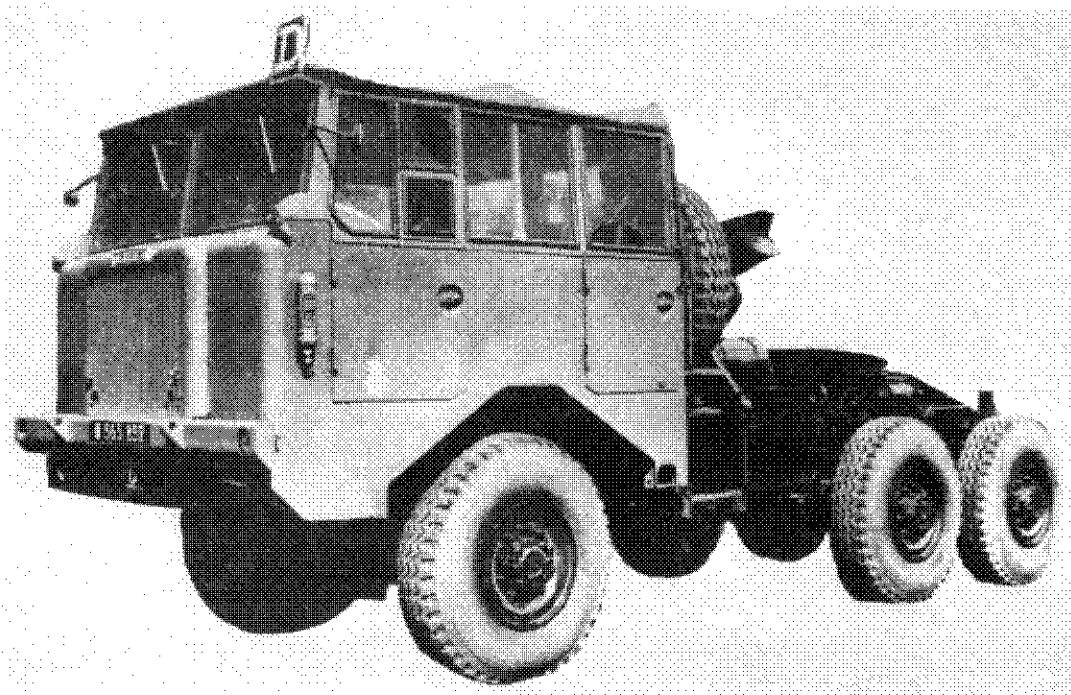
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-17-5-4-B
NOMEN: TRUCK TRACTOR, 6-TON 6X6, T.8.U.-15
PRODUCED/ADOPTED: 1963 TO DATE

CATALOG: T8-391-5-22
(OLD 17-2320-5-4)
COUNTRY: FRANCE
DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-17-5-4-B

NOMEN: TRUCK TRACTOR, 6-TON 6X6, T.B.U.-15

PRODUCED/ADOPTED: 1963 TO DATE

CATALOG: T8-381-5-22

ICLD 17-2320-5-41

COUNTRY: FRANCE

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-18-4-5-A

CATALOG: T6-381-5-22

NOMEN: SEE SECRET SUPPLEMENT

(OLD 18-2320-4-5)

NATIVE DES: SAURER, CAMION, TOUT-TERRAIN, 4CM
PRODUCED/ADOPTED: 1952 TO ? /

COUNTRY: SWITZERLAND
DATE UPDATED: 30AUG73

(U)THE ALL-WHEEL DRIVE, CROSS-COUNTRY SAURER-BERNA, MODEL 4CM CARGO TRUCK, MANUFACTURED BY ADOLPHE SAURER, S.A., ARBON, SWITZERLAND, WAS DESIGNED PRIMARILY AS A MILITARY VEHICLE FOR USE IN THE MOUNTAINS. THE TRUCK HAS AN EXTREMELY SHORT WHEELBASE, LARGE APPROACH AND DEPARTURE ANGLES, AND AN UNUSUALLY HIGH GROUND CLEARANCE. THE WINCH, BATTERY BOXES, FUEL TANKS, AND EQUIPMENT BOXES ARE PLACED ABOVE THE FRAME FOR PROTECTION DURING DEEP FORDING.

(U)THE CAB-OVER-ENGINE CONFIGURATION GIVES EXCELLENT ROAD VISIBILITY AND A CHOICE OF A CLOSED CAB OR AN OPEN CAB WITH A FOLDING CANVAS TOP. REMOVABLE BOWS AND TARPULIN ARE USED TO PROTECT THE CARGO AREA. A TURNING RADIUS OF APPROXIMATELY 7600 MM IS OBTAINED BY USING BALL-AND-SOCKET "CASTER" JOINTS IN THE FRONT AXLE. THE FRONT-WHEEL DRIVE CANNOT BE DISENGAGED.

DATE CATALOGED:
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U N C L A S S I F I E D

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FOM-2320-18-4-5-A
NOMEN: SEE SECRET SUPPLEMENT

CATALOG: TB-381-5-22
(OLD 18-2320-4-5)
COUNTRY: SWITZERLAND
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1952 TO ? /

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 6900
-PAYLOAD OFF HWY ----- 4400
-PAYLOAD ON HWY ----- 5000
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- 11300
-GROSS ON HWY ----- 11900
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- 2940
-EMPTY REAR ----- 3960
-LOADED FRONT OFF HWY -- 3660
-LOADED REAR OFF HWY -- 7740
-LOADED FRONT ON HWY -- 3990
-LOADED REAR ON HWY -- 7910
PERSONNEL LOAD (NR) --- 2 IN CAB, 15 IN REAR
MAX TOWED LOAD (KG)-
-OFF HWY ----- 8000
-ON HWY ----- 12,000
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6419
WIDTH O'ALL ----- 2250
HEIGHT O'ALL ----- 3200
CARGO SPACE-
-LENGTH ----- 4500
-WIDTH ----- 2080
-HGT OF SIDES ----- 400
TREAD, C TO C-
-FRONT ----- 1835
-REAR ----- 1655
WHEELBASE ----- 3400
GROUND CLEARANCE ----- 270
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60
TURNING RADIUS (MM) ----- 7500
FORDING DEPTH (MM) ----- ?
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- 27
-WATER (L/HR) ----- N/A
CRUISING RANGE (KM) LOADED -
-ROAD ----- 600
-WATER ----- N/A
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 52
-WATER ----- N/A
ANGLE OF APPROACH (DEG) ---- 38
ANGLE OF DEPARTURE (DEG) --- 24
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- CT20
TYPE ----- 6 CYLINDER IN LINE
MAX HP AT RPM ----- 100 AT 1800
MAX TORQUE (KGM) ----- 44 AT 1200
FUEL TYPE ----- DIESEL
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- 110
STROKE (MM) ----- 140
DISPLACEMENT (LITERS) 7980

FOM NR ----- N/A

GENERAL DATA:

TIRES-
-SIZE ----- 10.00 BY 20 HD
-PLY ----- ?
-TYPE ----- ?
-LOADED RADIUS (MM) - 500
-INFLATION SYSTEM --- N/A
FUEL CAP (LITERS)-
-MAIN TANK ----- 159
-AUX TANK ----- N/A
BRAKES-
-PRIMARY TYPE ----- AIR-HYDRAULIC
-PARKING TYPE ----- MECH ON DR SHAFT
SUSPENSION SYSTEM-
-FRONT ----- SEMIELLPTIC SPRINGS
-REAR ----- SEMIELLPTIC SPRINGS
TRANSMISSION-
-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 5/1 (3,4, AND 5 SYNC)
TRANSFER, NR SPEEDS --- 2 MANUAL
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 24 (TWO X 12 V BATTERIES)
WINCH-TYPE ----- MECHANICAL
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

REMARKS:

DATE CATALOGED:
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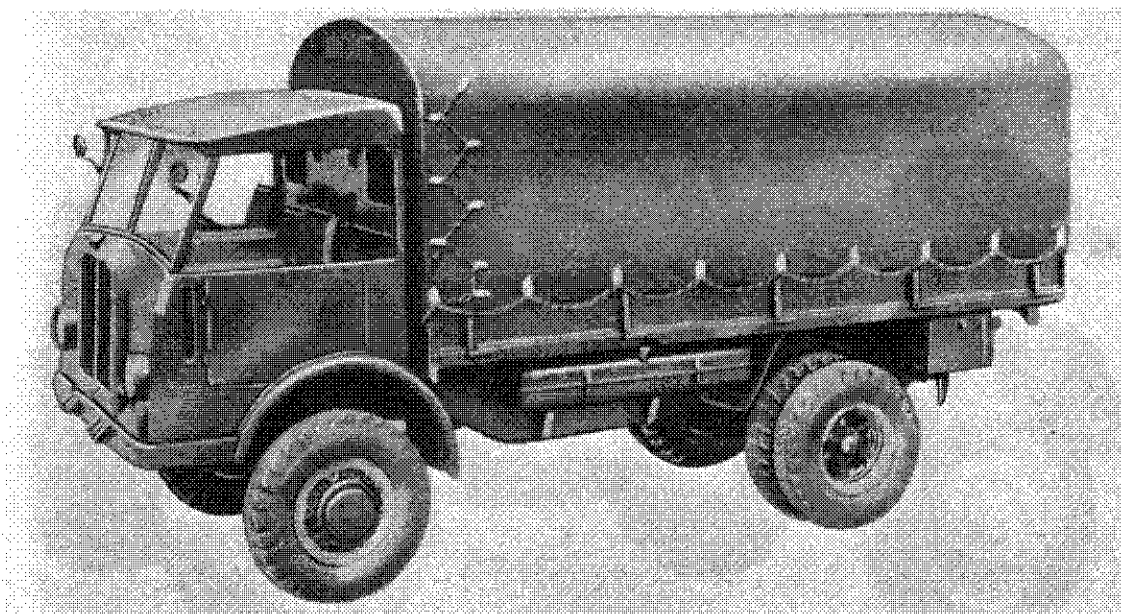
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U N C L A S S I F I E D

FDM-2320-18-4-5-B
NOMEN: SEE SECRET SUPPLEMENT

PRODUCED/ADOPTED: 1952 TO ? /

CATALOG: T8-381-5-22
(OLD 18-2320-4-5)
COUNTRY: SWITZERLAND
DATE UPDATED: 30AUG73



DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDN-2320-18-4-5-B
NOMEN: SEE SECRET SUPPLEMENT

PRODUCED/ADOPTED: 1952 TO ? /

CATALOG: TB-381-5-22
(OLD 18-2320-4-5)
COUNTRY: SWITZERLAND
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-2-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 1 1/2-TON, 6X6, L 2204 VOLVO

(OLD 19-2320-4-2)

NATIVE DES: LASTBIL 1.5-TON, 6X6, L 2204 VOLVO
PRODUCED/ADOPTED: 1952 TO ??

COUNTRY: SWEDEN
DATE UPDATED: 30AUG73

(U)THE 1 1/2-TON L 2204 TRUCK, MANUFACTURED BY THE VOLVO COMPANY, GÖTENBURG, SWEDEN, WAS PRIMARILY DESIGNED AS A CROSS-COUNTRY CARGO AND PERSONNEL CARRIER AND AS A PRIME-MOVER FOR TOWING TRAILED LOADS, INCLUDING LIGHT ARTILLERY PIECES UP TO 3 TONS IN WEIGHT.

(U)THE TRUCK'S SUSPENSION SYSTEM CONSISTS OF LONGITUDINALLY MOUNTED SEMIELLIPITIC, LAMINATED LEAF SPRINGS AND DOUBLE-ACTING HYDRAULIC, TELESCOPIC SHOCK ABSORBERS IN FRONT AND DOUBLE CANTILEVER SPRINGS ON THE BOGIE ON THE REAR.

(U)SLIGHTLY MODIFIED OVER THE YEARS, THE L 2204 HAS BEEN KNOWN AS THE TL-21, TL-22, AND MODEL 912. MINOR VARIATIONS EXIST BETWEEN THE MODELS IN THE DESIGN OF THE HOOD, SIDE PANELS, AND FENDERS.

DATE CATALOGED: 01JUN67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-2-A
 NOMEN: TRUCK, CARGO, 1 1/2-TON, 6X6, L 2204 VOLVO

CATALOG: T8-381-5-22
 HOLD 19-2320-4-21
 COUNTRY: SWEDEN
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1952 TO ??

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4200
 -PAYLOAD OFF HWY ----- 1500
 -PAYLOAD ON HWY ----- 2,250
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 5700
 -GROSS ON HWY ----- 6450
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 1740
 -EMPTY REAR ----- 1230 EA
 -LOADED FRONT OFF HWY - 1750
 -LOADED REAR OFF HWY -- 1975 EA
 -LOADED FRONT ON HWY -- 1935
 -LOADED REAR ON HWY --- 2251.5 EA

PERSONNEL LOAD (NR) ----- 3 IN CAB 10 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- ?
 -ON HWY ----- 3000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 5,800
 WIDTH O/ALL ----- 1900
 HEIGHT O/ALL ----- 2,560
 CARGO SPACE-

-LENGTH ----- 2,740
 -WIDTH ----- 1830
 -HGT OF SIDES ----- 702

TREAD, C TO C-

-FRONT ----- 1550
 -REAR ----- 1600

WHEELBASE ----- 3180

GROUND CLEARANCE ----- 300

PINTLE HEIGHT ----- ?

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 50
 TURNING RADIUS (MM) ----- 8110
 FORDING DEPTH (MM) ----- 794
 FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 15.7
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 580
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 85
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- ?

ANGLE OF DEPARTURE (DEG) ---- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- VOLVO A-6
 TYPE ----- 6 CYL, 4 STROKE
 MAX HP AT RPM ----- 115 AT 3000
 MAX TORQUE (KGM) ----- 7
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 92.25
 STROKE (MM) ----- 110
 DISPLACEMENT (LITERS) 4.7

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 BY 16
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 90
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- *1
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPITIC SPRINGS
 -REAR ----- DBL CANTILEVER ON BOGIE

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ HYDRAULIC W/HYDROVAC ASSIST ALL WHEELS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FUM-2320-19-4-2-B

NOMEN: TRUCK, CARGO, 1 1/2-TON, 6X6, L 2204 VOLVO

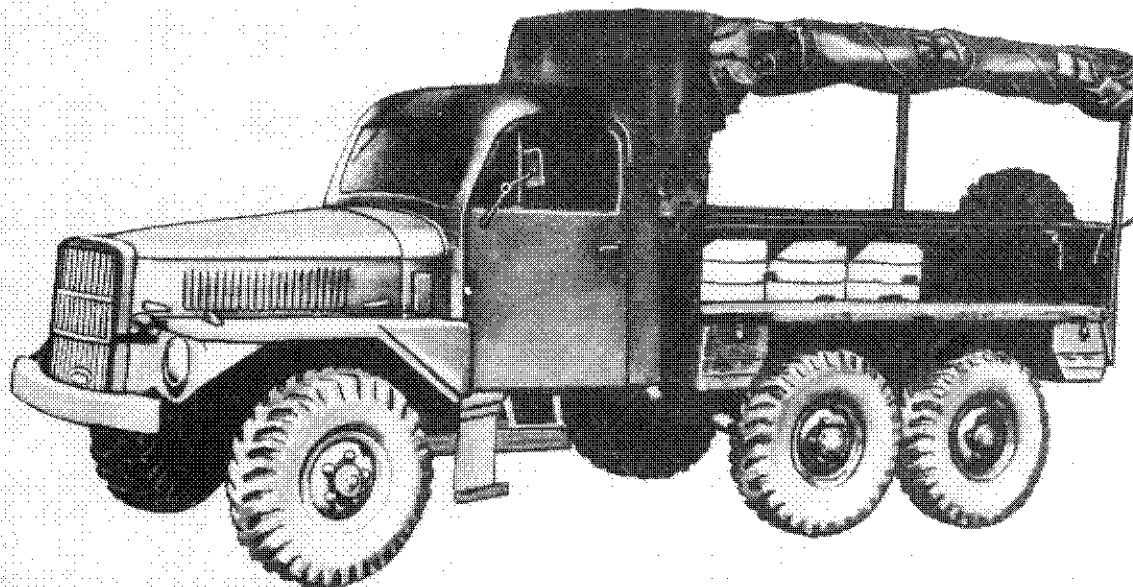
PRODUCED/ADOPTED: 1952 TO 77

CATALOG: TS-381-5-22

EULD 19-2320-4-21

COUNTRY: SWEDEN

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-19-4-2-B

NOMEN: TRUCK, CARGO, 1 1/2-TON, 6X6, L 2204 VOLVO

PRODUCED/ADOPTED: 1952 TO 77

CATALOG: TB-381-5-22

(OLD 19-2320-4-2)

COUNTRY: SWEDEN

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-3-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, CARGO, 3-TON, 6X6, L3154 VOLVO

(OLD 19-2320-4-3)

NATIVE DES: VOGN, LAST, L3154 VOLVO
PRODUCED/ADOPTED: 1954 TO ? /

COUNTRY: SWEDEN
DATE UPDATED: 06SEP73

(U) MANUFACTURED BY THE VOLVO COMPANY, GOTEBOURG, SWEDEN, AND THE BASIC 3-TON TRUCK OF THE SWEDISH MILITARY FORCES, THE L 3154 HAS ALSO BEEN KNOWN AS THE TL-31 OR THE CROSS-COUNTRY TRUCK, MODEL 934.

(U) THIS 3-AXLE TRUCK WAS DESIGNED PRIMARILY AS A CROSS-COUNTRY CARGO CARRIER OR AS A PRIME MOVER FOR ARTILLERY AND ANTIAIRCRAFT GUNS OF UP TO 7 TONS WEIGHT (IN TRAVELING POSITION). THE TRUCK TOWS THE 105-MM HOWITZER MODEL L/28 AND THE IMPROVED VERSION, THE 105-MM HOWITZER MODEL L/32. ON THE HIGHWAY, THE PAYLOAD CAPACITY OF THE L 3154 CAN BE INCREASED TO 5.5 TONS.

(U) THE MODEL 934 TRUCK IS EQUIPPED WITH RING-MOUNTED, OVERCAB, TWIN ANTIAIRCRAFT/ANTIPERSONNEL AUTOMATIC WEAPONS. SOME VEHICLES ARE ALSO EQUIPPED WITH A SIDE-MOUNTED WINCH OF APPROXIMATELY 9 TONS* CAPACITY. MANY OF THE MAJOR PARTS OF THE L 3154 ARE COMMON WITH THOSE OF THE 1 1/2-TON, 6 X 6, L 2204 VOLVO CARGO TRUCK (FOM-2320-19-4-2).

(U) RECOGNITION FEATURES OF THE L 3154 ARE ITS SQUARE-SHAPED CAB WITH SLIGHTLY OVERHANGING ROOF, A GUN MOUNT OVER THE DRIVER'S COMPARTMENT, AND A COFFIN-SHAPED FRONT HOOD.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-19-4-3-A
 NOMEN: TRUCK, CARGO, 3-TON, 6X6, L3154 VOLVO

CATALOG: TB-381-5-22
 (OLD 19-2320-4-3)
 COUNTRY: SWEDEN
 DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1954 TO ? /

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 6307
 -PAYLOAD OFF HWY ----- 3003
 -PAYLOAD ON HWY ----- 5005
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 9310
 -GROSS ON HWY ----- 11312
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 2523
 -EMPTY REAR ----- 1892EA
 -LOADED FRONT OFF HWY - 2607
 -LOADED REAR OFF HWY -- 3351.5 EA
 -LOADED FRONT ON HWY -- 3258
 -LOADED REAR ON HWY --- 4027 EA
 PERSONNEL LOAD (NR) ---- 2 IN CAB, 14 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 6500
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7000
 WIDTH O'ALL ----- 2135
 HEIGHT O'ALL ----- 2500
 CARGO SPACE-
 -LENGTH ----- 3900
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 4,250
 GROUND CLEARANCE ----- 369
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 9,000
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 26
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 480
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 82
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- VOLVO 96
 TYPE -----
 MAX HP AT RPM ----- 150 AT 2200
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - ?
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?
 FDM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 11.00 BY 20
 -PLY ----- 8Y
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 129
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC, AIR ASSISTED
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- DOUBLE CANTILEVER SPRING
 TRANSMISSION-
 -TYPE ----- MANUAL, SYNCHROMESH
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24 (TWO 12-V BATTERIES)
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-3-B

NOMEN: TRUCK, CARGO, 3-TON, 6X6, L3154 VOLVO

PRODUCED/ADOPTED: 1954 TO ? /

CATALOG: T8-381-9-22

(OLD 19-2320-4-3)

COUNTRY: SWEDEN

DATE UPDATED: 06SEP73



DATE CATALOGED: 01SEP67

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-3-8

NOMEN: TRUCK, CARGO, 3-TON, 6X6, L3154 VOLVO

PRODUCED/ADOPTED: 1954 TO ? /

CATALOG: TB-381-5-22

(OLD 19-2320-4-3)

COUNTRY: SWEDEN

DATE UPDATED: 06SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2320-19-4-7-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, UTILITY 3/4 TON, 4X4, L3314 VOLVO(LAPLANDER)

(OLD 19-2320-4-7)

NATIVE DES: VOGN, FELT, L3314 VOLVO "VALPEN"

COUNTRY: SWEDEN

PRODUCED/ADOPTED: 1962-DATE/

DATE UPDATED: 07AUG73

(U)THE VOLVO TRUCK, L 3314, MANUFACTURED BY VOLVO A.B., GOTEORG, SWEDEN, IS A LIGHT, 4-WHEEL-DRIVE, CROSS-COUNTRY, JEEP-TYPE VEHICLE USED TO TRANSPORT PERSONNEL AND CARGO. ITS OVERSIZE, LOW-PRESSURE TIRES FACILITATE DRIVING ON SOFT, SPONGY SURFACES WHERE ORDINARY TIRES WOULD SINK. THE ARMED FORCES OF BOTH SWEDEN AND NORWAY UTILIZE THIS TRUCK BECAUSE OF ITS SUITABILITY FOR SCANDINAVIAN WINTER CONDITIONS.

(U)THE L 3314 HAS AN OPEN BODY WITH A DETACHABLE CANVAS TOP AND FOLDDOWN WINDSHIELD FOR REDUCING THE SILHOUETTE. AIR PORTABLE AND AIR-DROPPABLE FOR SUPPORT OF AIRBORNE TROOPS, IT IS FITTED WITH ATTACHMENTS FOR STRETCHERS, AND THREE CASUALTIES CAN BE TRANSPORTED. A SIDE-MOUNTED WINCH, WHICH OPERATES FORWARD AND REARWARD, IS ALSO AVAILABLE.

(U)SUSPENSION IS PROVIDED BY A DOUBLE SPRINGING SYSTEM. STANDARD LEAF SPRINGS ARE SUPPLEMENTED BY SPRINGS OF HOLLOW RUBBER TO MINIMIZE THE EFFECTS OF BOTTOMING. DOUBLE-ACTION, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS ASSIST IN REDUCING VIBRATION AND ROAD SHOCK.

(U)A TRANSFER CASE PROVIDES HIGH AND LOW RATIOS AND ALSO ENGAGES AND DISENGAGES THE FRONT-WHEEL DRIVE. THE REAR DIFFERENTIAL IS EQUIPPED WITH AUTOMATIC LOCKING DEVICES.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-7-A
 NOMEN: TRUCK, UTILITY 3/4 TON, 4X4, L3314 VOLVO(LAPLANDER)

CATALOG: TB-381-5-22
 (OLD 19-2320-4-7)
 COUNTRY: SWEDEN
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1962-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 1482
 -PAYLOAD OFF HWY ----- 681
 -PAYLOAD ON HWY ----- 681
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 2163
 -GROSS ON HWY ----- 2163
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 848
 -EMPTY REAR ----- 634
 -LOADED FRONT OFF HWY -- 1034
 -LOADED REAR OFF HWY -- 1129
 -LOADED FRONT ON HWY -- 1034
 -LOADED REAR ON HWY -- 1129
 PERSONNEL LOAD (NR) ----- 7 MEN INC DRIVER
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 1135
 -ON HWY ----- ?
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 3870
 WIDTH O/ALL ----- 1676
 HEIGHT O/ALL ----- 2011
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 1338
 -REAR ----- 1338
 WHEELBASE ----- 2100
 GROUND CLEARANCE ----- 269
 PINTLE HEIGHT ----- 7
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60
 TURNING RADIUS (MM) ----- 5943
 FORDING DEPTH (MM) ----- 610?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 19.5
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 258
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 96
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 40 DEG
 ANGLE OF DEPARTURE (DEG) --- 48 DEG
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- VOLVO B 18 A
 TYPE ----- 4 CYL, 4 STROKE
 MAX HP AT RPM ----- 65 AT 4400
 MAX TORQUE (KGM) ----- 13.5 AT 2600
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 84.14
 STROKE (MM) ----- 80
 DISPLACEMENT (LITERS) 1.78

FOM NR -----

GENERAL DATA:

TIRES-
 -SIZE ----- 8.90 BY 16
 -PLY ----- 6
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 365
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 49
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL SYNCHROMESH
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- YES
 ELEC SYSTEM (VOLTS) --- 24 (TWO 12-V BATTERIES)
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) --- ?

REMARKS:

DATE CATALOGED: 01DEC66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-7-8

NOMEN: TRUCK, UTILITY 3/4 TON, 4X4, L3314 VOLVO(LAPLANDER)

PRODUCED/ADOPTED: 1962-DATE/

CATALOG: TB-381-5-22

(OLD 19-2320-4-7)

COUNTRY: SWEDEN

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FGH-2320-19-4-7-B

NOMEN: TRUCK, UTILITY 3/4 TON, 4X4, L3314 VOLVO(LAPLANDER)

PRODUCED/ADOPTED: 1962-DATE/

CATALOG: T8-381-5-22

(OLD 19-2320-4-7)

COUNTRY: SWEDEN

DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-8-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, UTILITY, 1-TON, 4 BY 4, VOLVO 4140

(OLD 19-2320-4-8)

NATIVE DES: VOGN, FELT, 1-TON, 4X4, VOLVO(TGBIL-11)
PRODUCED/ADOPTED: ??COUNTRY: SWEDEN
DATE UPDATED: 30AUG73

(U)THE VOLVO 4140, DEVELOPED BY VOLVO AB, GÖTEBORG, IS A LIGHT CAB-OVER-ENGINE, FOUR-WHEEL-DRIVE, CROSS-COUNTRY UTILITY VEHICLE SCHEDULED FOR PRODUCTION IN 1973-74. BOTH SWEDEN AND NORWAY PLAN TO UTILIZE THIS TRUCK IN THEIR ARMED FORCES WHERE IT WILL REPLACE THE CURRENT ALL-WHEEL DRIVE VOLVO L3314, 3/4-TON UTILITY TRUCK (FOM-2320-19-4-7). BECAUSE OF ITS WIDE PROFILE LOW-PRESSURE TIRES, THE VOLVO 4140 IS SERVICEABLE UNDER SCANDANAVIAN WINTER ROAD CONDITIONS.

(U)THIS VEHICLE HAS AN OPEN, ALL-STEEL BODY WITH REMOVABLE UPPER DOOR SECTIONS AND PLASTIC COATED CANVAS TOP, A FOLDDOWN WINDSHIELD, AND IS AIR-PORTABLE AND AIR-DROPPABLE FOR SUPPORT OF AIRBORNE TROOPS. IT IS FITTED WITH ATTACHMENTS FOR STRETCHERS AND THREE CASUALTIES CAN BE TRANSPORTED. A SIDE-MOUNTED WINCH, THAT OPERATES FORWARD AND BACKWARDS, IS ALSO AVAILABLE.

(U)SUSPENSION IS PROVIDED BY A DOUBLE SPRINGING SYSTEM. RELATIVELY SLENDER, SEMIELLIPTIC LEAF SPRINGS ARE SUFFICIENT FOR LIGHT LOADS; FOR HEAVIER LOADS THERE ARE SUPPLEMENTARY SPRINGS OF HOLLOW RUBBER TO COUNTERACT BOTTOMING. DOUBLE-ACTION, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS ASSIST IN REDUCING VIBRATION AND ROAD SHOCK.

(U)A 2-SPEED TRANSFER CASE ENGAGES AND DISENGAGES THE FRONT WHEEL DRIVE. THE FRONT AND REAR AXLES ARE EQUIPPED WITH MECHANICAL VACUUM-OPERATED DIFFERENTIAL LOCKS TO INSURE ROAD GRIP.

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U N C L A S S I F I E D

FOM-2320-19-4-8-A
 NOMEN: TRUCK, UTILITY, 1-TON, 4 BY 4, VOLVO 4140

CATALOG: TB-381-5-22
 (OLD 19-2320-4-8)
 COUNTRY: SWEDEN
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ?/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 1950
 -PAYLOAD OFF HWY ----- 1000
 -PAYLOAD ON HWY ----- 1200
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 2950
 -GROSS ON HWY ----- 3150
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 1131
 -EMPTY REAR ----- 819
 -LOADED FRONT OFF HWY - 1445
 -LOADED REAR OFF HWY -- 1505
 -LOADED FRONT ON HWY -- 1543
 -LOADED REAR ON HWY --- 1607
 PERSONNEL LOAD (NR) ---- 2 IN CAB 5 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 725
 -ON HWY ----- 1020
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 4300
 WIDTH O/ALL ----- 1800
 HEIGHT O/ALL ----- 2130
 CARGO SPACE-
 -LENGTH ----- 2490
 -WIDTH ----- 1670
 -HGT OF SIDES ----- 1250
 TREAD, C TO C-
 -FRONT ----- 1450
 -REAR ----- 1450
 WHEELBASE ----- 2300
 GROUND CLEARANCE ----- 410
 PINTLE HEIGHT ----- 701
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 70
 TURNING RADIUS (MM) ----- 6000
 FORDING DEPTH (MM) ----- 762
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 19
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 580
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 107
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- 5160 VOLVO
 TYPE ----- 6 CYLINDER IN-LINE OHV
 MAX HP AT RPM ----- 130 AT 5000 (SAE)
 MAX TORQUE (KGM) ----- 21.5 AT 2000
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) 2.98

FOM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 9.00 X 16
 -PLY ----- 7
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 110
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- VACUUM-HYDRAULIC, TWIN
 -PARKING TYPE ----- *1
 SUSPENSION SYSTEM-
 -FRONT ----- *2
 -REAR ----- *3
 TRANSMISSION-
 -TYPE ----- VOLVO M 400 MANUAL
 -NR SPEEDS FWD/RVSE - 4/1 SYNCHRONIZED
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- DASHBOARD CONTROL
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24 (TWO, 12 V BATTERIES)
 WINCH-TYPE -----
 -CAPACITY (KG) ----- 2500
 -CABLE LENGTH (MM) -- 50000 (10 MM DIA.)

REMARKS:

1/ MECHANICAL REAR PROPELER SHAFT
 2/ UNDERSLUNG SEMIELLPTIC LEAF SPRINGS
 3/ OVERSLUNG SEMIELLPTIC LEAF SPRINGS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-8-B

NOMEN: TRUCK, UTILITY, 1-TON, 4 BY 4, VOLVO 4140

PRODUCED/ADOPTED: 7/

CATALOG: TB-381-5-22

(OLD 19-2320-4-B)

COUNTRY: SWEDEN

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-8-B

NOMEN: TRUCK, UTILITY, 1-TON, 4 BY 4, VOLVO 4140

PRODUCED/ADOPTED: 27

CATALOG: TB-381-5-22

ICOLD 19-2320-4-81

COUNTRY: SWEDEN

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-9-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 6-TON, 6X6, SCANIA LBAT 110534

(OLD 19-2320-4-9)

NATIVE DES: SCANIA LBAT 110 5 34

COUNTRY: SWEDEN

PRODUCED/ADOPTED: 1970-DATE/

DATE UPDATED: 07AUG73

(WITH THIS VEHICLE, MANUFACTURED BY AB SCANIA-VABIS OF SWEDEN: THE SCANIA L8A 11040, 4 1/2-TON 4 X 4 CARGO TRUCK; AND THE VOLVO 4140 SERIES OF TRUCKS, CONSTITUTE THE SWEDISH PRIMARY MOTOR TRANSPORT VEHICLES FOR THE 1970'S. THE LBAT 110534, POWERED BY A SCANIA DIESEL D-11 ENGINE DEVELOPING 260-HP, WAS DESIGNED PRIMARILY AS A CROSS-COUNTRY CARGO CARRIER AND AS A PRIME-MOVER FOR ARTILLERY. DURING WINTER TESTS IT SUCCESSFULLY FOLLOWED AN EXTREMELY NARROW TEST TRACK, WHICH LED THROUGH TREES AND BOULDERS AND WAS COVERED WITH APPROXIMATELY 30 INCHES OF SNOW, CARRYING A FULL LOAD.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-9-A
 NOMEN: TRUCK, CARGO, 6-TON, 6X6, SCANIA LBAT 110534

CATALOG: TB-381-5-22
 (OLO 19-2320-4-9)
 COUNTRY: SWEDEN
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1970-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 8,800
 -PAYLOAD OFF HWY ----- 6,000
 -PAYLOAD ON HWY ----- 6,000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 14,800
 -GROSS ON HWY ----- 14,800
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 4600
 -EMPTY REAR ----- 2100 EA
 -LOADED FRONT OFF HWY -- 5200
 -LOADED REAR OFF HWY -- 4800 EA
 -LOADED FRONT ON HWY -- 5200
 -LOADED REAR ON HWY -- 4800 EA

PERSONNEL LOAD (NR) ---- 2 IN CAB 26 IN REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- 11,000
 -ON HWY ----- 11,000

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7600
 WIDTH O/ALL ----- 2490
 HEIGHT O/ALL ----- 2745
 CARGO SPACE-

-LENGTH ----- 4720
 -WIDTH ----- 2350
 -HGT OF SIDES ----- 500

TREAD, C TO C-

-FRONT ----- 2030
 -REAR ----- 2000

WHEELBASE ----- 4140

GROUND CLEARANCE ----- 400

PINTLE HEIGHT ----- 790

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60
 TURNING RADIUS (MM) ----- 9,000
 FORDING DEPTH (MM) ----- 800

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 30
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 670
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 90 KM/HR
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- SCANIA D-11
 TYPE ----- ?
 MAX HP AT RPM ----- 275 AT 2200
 MAX TORQUE (KG-M) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 BY 15
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 200
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- AIR
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- #1
 -REAR ----- #2

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 24 (TWO 12V BATTERIES)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ SEMIELLIPTICAL LEAF SPRINGS
 2/ SEMIELLIPTICAL LEAF SPRINGS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-9-8
NOMEN: TRUCK, CARGO, 6-TON, 6X6, SCANIA LBAT 110534

PRODUCED/ADOPTED: 1970-DATE/

CATALOG: TB-381-5-22
(OLD 19-2320-4-9)
COUNTRY: SWEDEN
DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-9-B

NOMEN: TRUCK, CARGO, 6-TON, 6X6, SCANIA LBAT 110534

PRODUCED/ADOPTED: 1970-DATE/

CATALOG: TB-381-5-22

(OLD 19-2320-4-9)

COUNTRY: SWEDEN

DATE UPDATED: 07AUG73

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DATE CATALOGED: 01NOV72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-10-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 4 1/2 TON, 4X4, SCANIA L8A 11040

(OLD 19-2320-4-10)

NATIVE DES: SCANIA L8A 110 40

COUNTRY: SWEDEN

PRODUCED/ADOPTED: 1970-DATE/

DATE UPDATED: 30AUG73

(WITH THIS ALL-WHEEL DRIVE CARGO TRUCK, MANUFACTURED BY AB SCANIA-VABIS OF SWEDEN, WITH THE SCANIA L8AT 110 534, 6-TON, 6 X 6 CARGO TRUCK (FOM 2320-19-4-9), AND THE VOLVO 4140 SERIES, CONSTITUTE THE SWEDISH PRIMARY MOTOR TRANSPORT VEHICLES FOR THE 1970'S.

(EQUIPPED BY A SCANIA D-11 ENGINE DEVELOPING 190-HORSEPOWER, IT WAS DESIGNED PRIMARILY AS A CROSS-COUNTRY CARGO CARRIER AND AS A PRIME MOVER FOR ARTILLERY. IN WINTER TESTS, IT SUCCESSFULLY TRAVERSED AN EXTREMELY NARROW TEST TRACK, PASSING THROUGH TREES AND BOULDERS, COVERED WITH APPROXIMATELY 30 INCHES OF SNOW, CARRYING A FULL LOAD. IT HAS A TOWING CAPABILITY OF ABOUT 7700 KILOGRAMS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-10-A
 NOMEN: TRUCK, CARGO, 4 1/2 TON, 4X4, SCANIA LBA 11040

CATALOG: TB-381-5-22
 (OLD 19-2320-4-10)
 COUNTRY: SWEDEN
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1970-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 7200
 -PAYLOAD OFF HWY ----- 4500
 -PAYLOAD ON HWY ----- 4500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 11700
 -GROSS ON HWY ----- 11700
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 4350
 -EMPTY REAR ----- 2850
 -LOADED FRONT OFF HWY - 5200
 -LOADED REAR OFF HWY - 6500
 -LOADED FRONT ON HWY - 5200
 -LOADED REAR ON HWY - 6500

PERSONNEL LOAD (NR) ----- 2 CAB IS REAR

MAX TOWED LOAD (KG)-

-OFF HWY ----- 7750
 -ON HWY ----- 7750

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6720
 WIDTH O'ALL ----- 2490
 HEIGHT O'ALL ----- 2745

CARGO SPACE-

-LENGTH ----- 4200
 -WIDTH ----- 2350
 -HGT OF SIDES ----- 500

TREAD, C TO C-

-FRONT ----- 2000
 -REAR ----- 2000

WHEELBASE ----- 4000

GROUND CLEARANCE ----- 418

PINTLE HEIGHT ----- 790

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60%
 TURNING RADIUS (MM) ----- 8900

FORDING DEPTH (MM) ----- 800

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 27
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 740
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 90
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- SCANIA D-11
 TYPE ----- 6 CYLINDER
 MAX HP AT RPM ----- 202 AT 2200
 MAX TORQUE (KGM) ----- 79 AT 1200
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 127
 STROKE (MM) ----- 145
 DISPLACEMENT (LITERS) 11.0

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 1200 MM X 400 MM CROSS-C
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 200
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- AIR
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC LEAF SPGS
 -REAR ----- SEMIELLIPTIC LEAF SPGS

TRANSMISSION-

-TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24V (2 12V BTRY)

WINCH-TYPE ----- ?

-CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-10-B
NOMEN: TRUCK, CARGO, 4 1/2 TON, 4X4, SCANIA LBA 11040

PRODUCED/ADOPTED: 1970-DATE/

CATALOG: TB-381-5-22
(OLD 19-2320-4-10)
COUNTRY: SWEDEN
DATE UPDATED: 30AUG73



DATE CATALOGED: 01JAN73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-19-4-10-B
NOMEN: TRUCK, CARGO, 4 1/2 TON, 4X4, SCANIA L8A 11040

CATALOG: TB-381-S-22
(OLD 19-2320-4-10)
COUNTRY: SWEDEN
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1970-DATE/

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-23-4-9-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, UTILITY, 1/4-TON, 4X4, ALFA ROMEO AR51

(OLD 23-2320-4-9)

NATIVE DES: VETTURA AR51, ALFA ROMEO
PRODUCED/ADOPTED: 1957 - ?/

COUNTRY: ITALY
DATE UPDATED: 30AUG73

(U)THIS VEHICLE IS AN ALL WHEEL DRIVE, UTILITY VEHICLE MANUFACTURED BY ALFA ROMEO OF MILANO, ITALY. ITS SHAPE AND CHARACTERISTICS ARE SIMILAR TO THE STANDARD M 151 US JEEP. THIS TRUCK CAN CARRY A CREW OF 2 AND 4 PASSENGERS, OR A 400 KILOGRAMS OF CARGO. IT HAS A MAXIMUM DRAWBAR PULL OF 1179 KILOGRAMS AT 6.75 K/HR. THE CARGO AND PASSENGERS ARE READILY ACCESSIBLE THROUGH A HIGH TAILGATE AND BY FRONT SEATS WITH TILTING BACKRESTS.

(U)THIS VEHICLE IS FREQUENTLY OBSERVED TOWING A 105-MM HOWITZER.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-23-4-9-A
 NOMEN: TRUCK, UTILITY, 1/4-TON, 4X4, ALFA ROMEO AR51

CATALOG: Y8-381-5-22
 (OLD 23-2320-4-9)
 COUNTRY: ITALY
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1957 - 77

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 1425
 -PAYLOAD OFF HWY ----- 480
 -PAYLOAD ON HWY ----- 480
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 1905
 -GROSS ON HWY ----- 1905
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 770
 -EMPTY REAR ----- 655
 -LOADED FRONT OFF HWY - 857
 -LOADED REAR OFF HWY - 1048
 -LOADED FRONT ON HWY - 857
 -LOADED REAR ON HWY - 1048
 PERSONNEL LOAD (NR) ----- 6
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 500
 -ON HWY ----- 500
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 3506
 WIDTH O/ALL ----- 1585
 HEIGHT O/ALL ----- 1830
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 1295
 -REAR ----- 1295
 WHEELBASE ----- 2250
 GROUND CLEARANCE ----- 205
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60%
 TURNING RADIUS (MM) ----- 5488
 FORDING DEPTH (MM) ----- 701
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 13
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 585
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 105
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- 55 DEG
 ANGLE OF DEPARTURE (DEG) --- 38 DEG
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- ALFA ROMEO 4-CYLINDER
 TYPE ----- 4 CYL, 4 STROKE
 MAX HP AT RPM ----- 65 @ 4400
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 82.5
 STROKE (MM) ----- 88
 DISPLACEMENT (LITERS) 1.884

FORM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 6.40 X 16
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 76
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL ON TRANSMISSIO
 SUSPENSION SYSTEM-
 -FRONT ----- INDEPENDENT TORSION BAR
 -REAR ----- SEMIELLIPTIC SPGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1 SYNCHROMESH
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12 (2 12V BTRY PARALLEL)
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-23-4-9-B

NOMEN: TRUCK, UTILITY, 1/4-TON, 4X4, ALFA ROMEO AR51

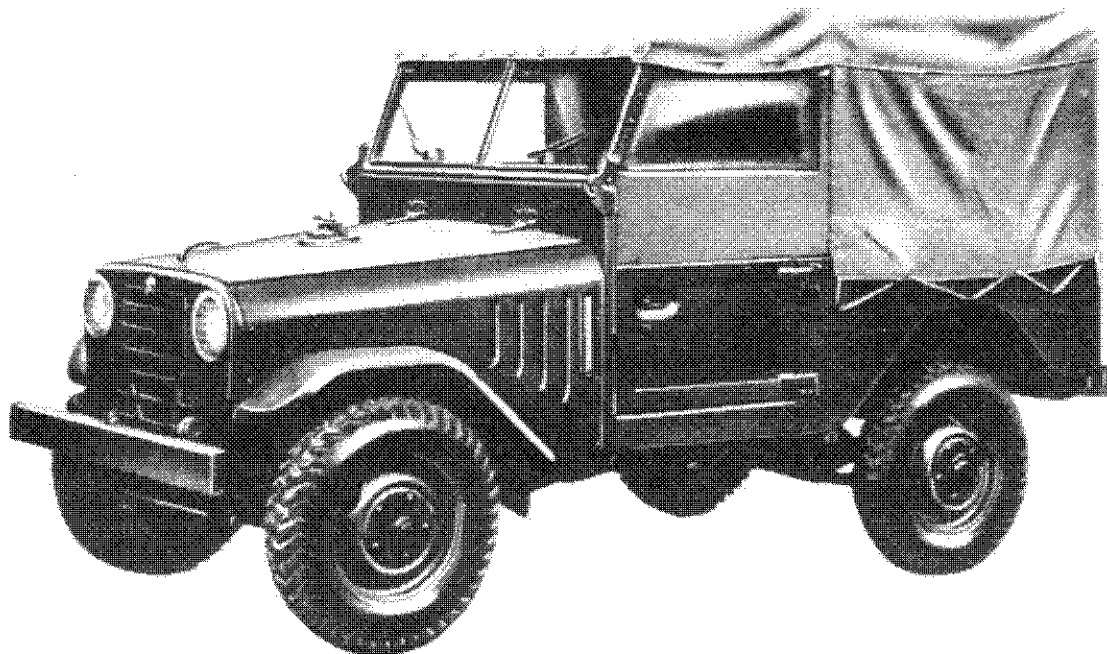
PRODUCED/ADOPTED: 1957 - 71

CATALOG: TB-381-5-22

(OLD 23-2320-4-9)

COUNTRY: ITALY

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-23-4-9-B

NOMEN: TRUCK, UTILITY, 1/4-TON, 4X4, ALFA ROMEO AR51

PRODUCED/ADOPTED: 1957 - ??

CATALOG: TB-381-5-22

(OLD 23-2320-4-9)

COUNTRY: ITALY

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-27-4-5-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, POL, 6X6, 9462 LITERS, LAFD-145/2

(OLD 27-2320-4-5)

NATIVE DES: ?

COUNTRY: AUSTRIA

PRODUCED/ADOPTED: 1963-DATE/

DATE UPDATED: 07AUG73

(U)THE LAFD-145/42 FUEL SERVICE TRUCK IS DESIGNED TO TRANSPORT LIQUID POL PRODUCTS OVER LONG DISTANCES AND TO SERVICE AIRCRAFT WITH FILTERED FUEL.

(U)THE TANK BODY IS MOUNTED ON A STRUVER LAFD-145/42 CHASSIS AND IS DIVIDED INTO TWO COMPARTMENTS; EACH COMPARTMENT HAS A MANHOLE AND FILLER ASSEMBLY AT THE TOP. A CABINET BEHIND THE CAB HOUSES A FUEL FILTER, METER, CONTROL VALVES, AND THE DELIVERY PUMP. HOSES ARE HOUSED IN SINGLE-HOSE TUBES WELDED ON EACH SIDE OF THE TANK.

(U)THIS FUEL SERVICE TRUCK PRODUCED BY STRUVER IS EMPLOYED BY THE AUSTRIAN NATIONAL ARMY.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-27-4-5-A
 NOMEN: TRUCK, TANK, POL, 6X6, 9462 LITERS, LAFD-145/2

CATALOG: TB-381-5-22
 (OLD 27-2320-4-5)
 COUNTRY: AUSTRIA
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1963-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 7450
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 14,550
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 22,000
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 4100
 -EMPTY REAR ----- 1675 EA
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 6000
 -LOADED REAR ON HWY - 9000 EA
 PERSONNEL LOAD (NR) ----- 3
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8500
 WIDTH O'ALL ----- 2380
 HEIGHT O'ALL ----- ?
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 1905
 -REAR ----- 1700
 WHEELBASE ----- 4190
 GROUND CLEARANCE ----- ?
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL - N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 50%
 TURNING RADIUS (MM) ----- 11,300
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 31
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 515
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 84
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) ---- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

1/ SELF PRIMING CENTRIFUGAL

ENGINE:

MODEL ----- GRAF & STIFT 6VT145
 TYPE ----- ?
 MAX HP AT RPM ----- 145 @ 2200
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - ?
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FORM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 11.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 159
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- AIR, ALL WHEELS
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTICAL SPRINGS
 -REAR ----- SEMIELLIPTICAL SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 6/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 2
 LG X WD X HGT (MM) - ?
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 9462

PUMP:

TYPE ----- #1
 MODEL ----- ?
 SPEED RPM ----- ?
 CAPACITY (LITERS P/MIN) ----- ?

HOSES:

SUCTION HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- ?
 DELIVERY HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- ?
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-27-4-5-8

NOMEN: TRUCK, TANK, POL, 6X6, 9462 LITERS, LAFO-145/2

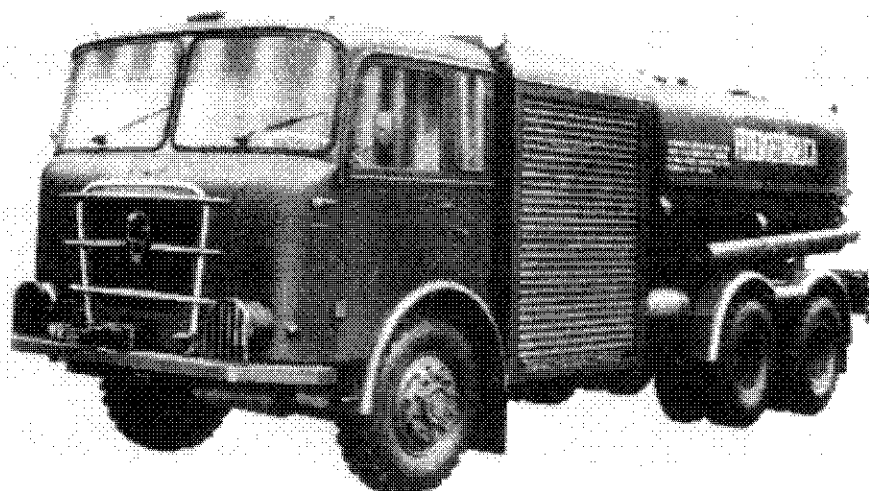
PRODUCED/ADOPTED: 1963-DATE/

CATALOG: T8-381-5-22

(OLD 27-2320-4-5)

COUNTRY: AUSTRIA

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-2T-4-5-B

NOMEN: TRUCK, TANK, POL, 6X6, 9462 LITERS, LAFD-145/2

PRODUCED/ADOPTED: 1963-DATE/

CATALOG: TB-381-5-22

(OLD 27-2320-4-5)

COUNTRY: AUSTRIA

DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-27-4-6-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO 3 1/2 TON 6X6 STEYR 680M3

(OLD 27-2320-4-6)

NATIVE DES:

COUNTRY: AUSTRIA

PRODUCED/ADOPTED: 1970-DATE/

DATE UPDATED: 13SEP73

(U)THE STEYR 680M3 MILITARY 6 X 6 VEHICLE WAS DESIGNED AND BUILT BY STEYR-DAIMLER-PUCH A.G., OF STEYR, AUSTRIA, FOR THE AUSTRIAN ARMY. IT IS A FLAT BED, CAB-OVER-ENGINE CARGO AND PERSONNEL CARRIER, AS WELL AS A PRIME MOVER FOR FIELD ARTILLERY. THE VEHICLE IS POWERED BY A 180-HORSEPOWER LIQUID COOLED DIESEL ENGINE MOUNTED ON RAILS SO IT MAY BE SLID OUT FOR MAINTENANCE AND MECHANICAL REPAIR WORK. THIS VEHICLE CAN ACCOMMODATE ONE PASSENGER PLUS THE DRIVER IN THE CAB, AND FIFTEEN TROOPS WITH EQUIPMENT IN THE REAR. FRONT WHEEL DRIVE MAY BE ENGAGED ONLY IN THE LOWER GEAR RATIOS. CLUTCH AND GEAR ENGAGEMENT IS REPORTEDLY UNUSUALLY QUIET AND SMOOTH. SIDE SLOPES OF 35 PERCENT WERE SUCCESSFULLY NEGOTIATED DURING TESTING. THIS TRUCK WILL REPLACE 3 1/2 TON TRUCKS OF FOREIGN MANUFACTURE CURRENTLY IN THE INVENTORY OF THE ARMED FORCES. VEHICLES OF THIS TYPE HAVE ALSO BEEN SOLD TO SWITZERLAND. A TRUCK TRACTOR VERSION IS EXPECTED TO BE ANNOUNCED, AS WELL AS DUMP TRUCK VERSIONS.

DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-27-4-6-A
 NOMEN: TRUCK, CARGO 3 1/2 TON 6X6 STEYR 680M3

CATALOG: TB-381-5-22
 (OLD 27-2320-4-6)
 COUNTRY: AUSTRIA
 DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: 1970-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 6500
 -PAYLOAD OFF HWY ----- 3500
 -PAYLOAD ON HWY ----- 5500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 10000
 -GROSS ON HWY ----- 12000
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 3200
 -EMPTY REAR ----- 3300
 -LOADED FRONT OFF HWY -- 4100
 -LOADED REAR OFF HWY -- 5900
 -LOADED FRONT ON HWY -- 4920
 -LOADED REAR ON HWY -- 7080
 PERSONNEL LOAD (NR) ---- 2 CAB 15 REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 4000
 -ON HWY ----- 8000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6730
 WIDTH O'ALL ----- 2400
 HEIGHT O'ALL ----- 2850 (CANOPY /2630 (CAB)
 CARGO SPACE-
 -LENGTH ----- 4060
 -WIDTH ----- 2200
 -HGT OF SIDES ----- 1610
 TREAD, C TO C-
 -FRONT ----- 1810
 -REAR ----- 1810
 WHEELBASE ----- 3360
 GROUND CLEARANCE ----- 300
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60%
 TURNING RADIUS (MM) ----- 14500
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 28 DEG
 ANGLE OF DEPARTURE (DEG) --- 32 DEG
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- WB 614
 TYPE ----- ?
 MAX HP AT RPM ----- MAX HP AT RPM -180 AT 2800
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FOM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 9.00 X 20
 -PLY ----- 12 PLY
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 485
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 180
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- #1
 -PARKING TYPE ----- #2
 SUSPENSION SYSTEM-
 -FRONT ----- #3
 -REAR ----- #4
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 24 (2-12V BTRY)
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

1/ WESTINGHOUSE, DUAL CIRCUIT, AIR HYDRAULIC,
 ALL WHEELS.
 2/ AIR HYDRAULIC, ALL WHEELS, HAND OPERATED
 3/ LONGITUDINAL SEMIELLIPTIC LEAF SPRINGS
 4/ LONGITUDINAL SEMIELLIPTIC LEAF SPRINGS/
 WITH OVERLOAD SPRINGS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-27-4-6-8

NOMEN: TRUCK, CARGO 3 1/2 TON 6X6 STEYR 680M3

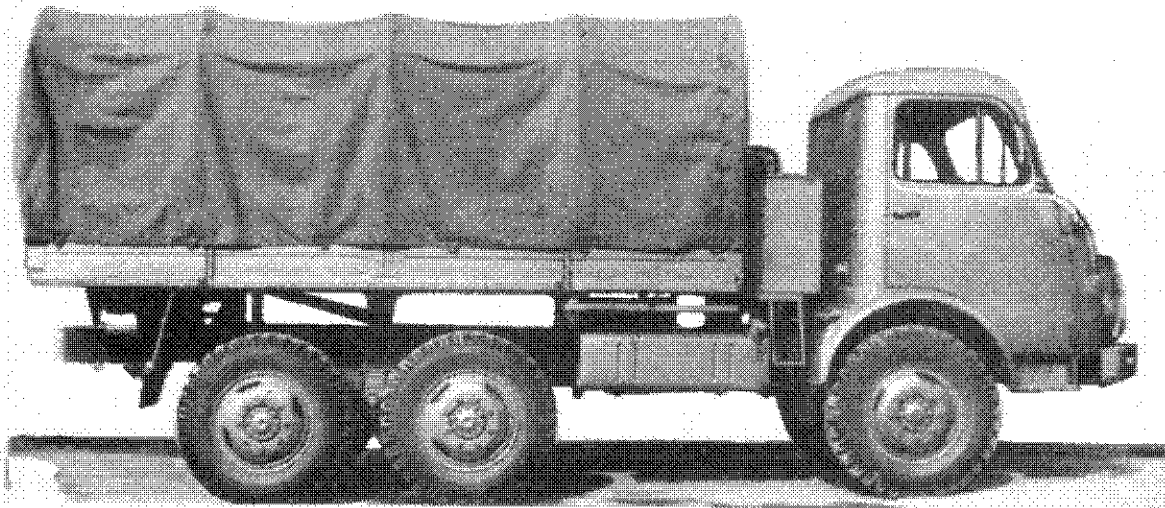
PRODUCED/ADOPTED: 1970-DATE/

CATALOG: T8-381-5-22

(OLD 27-2320-4-6)

COUNTRY: AUSTRIA

DATE UPDATED: 13SEP73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-27-4-6-B
NOMEN: TRUCK, CARGO 3 1/2 TON 6X6 STEYR 680M3.

PRODUCED/ADOPTED: 1970-DATE/

CATALOG: TB-381-5-22
(OLD 27-2320-4-6)
COUNTRY: AUSTRIA
DATE UPDATED: 13SEP73

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DATE CATALOGED:
VOLUME 22, PAGE 858

U N C L A S S I F I E D

FORM-2320-30-4-29-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRUCK, UTILITY, 1 1/2-TON, 4X4, NISSAN 4W73

(OLD 30-2320-4-29)

NATIVE DES: ?

COUNTRY: JAPAN

PRODUCED/ADOPTED: 1961-DATE/

DATE UPDATED: 06SEP73

THE NISSAN 4W73 UTILITY TRUCK IS BUILT ON A HEAVY-DUTY CHASSIS AND MAY BE IDENTIFIED BY THE HIGH, WIDE FENDERS, FLAT HOOD, KNOCKDOWN-TYPE WHEELS, AND LARGE TIRES. THE OPEN-TOP CAB IS CANVAS COVERED AND HAS A FOLD-DOWN WINDSHIELD. THE TARPULIN, BOWS, AND BODY SIDEBORDS CAN BE REMOVED. IN ADDITION TO ITS PAYLOAD, THE VEHICLE IS ABLE TO TOW TRAILERS OR TRAILERLIKE EQUIPMENT WEIGHING UP TO 2000 KILOGRAMS GROSS. IT IS USED ON AND OFF ROADS AS A COMMAND AND COMMUNICATION VEHICLE, A CARRIER FOR PERSONNEL AND CARGO, AN EMERGENCY CARRIER OF THE WOUNDED ON LITTERS, AND A PRIME MOVER FOR TOWED LOADS. THE 4W73 IS AIR TRANSPORTABLE AND, WITH THE APPLICATION OF SPECIAL-PURPOSE KITS, CAN FORD STREAMS 1.525 METERS DEEP AND OPERATE IN ARCTIC, TEMPERATE, DESERT, AND TROPICAL ENVIRONMENTS.

DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-30-4-29-A

NOMEN: TRUCK, UTILITY, 1 1/2-TON, 4X4, NISSAN 4W73

CATALOG: TB-381-5-22

(OLD 30-2320-4-29)

COUNTRY: JAPAN

PRODUCED/ADOPTED: 1961-DATE/

DATE UPDATED: 06SEP73

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 2690
 -PAYLOAD OFF HWY ----- 1500
 -PAYLOAD ON HWY ----- 1500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 4190
 -GROSS ON HWY ----- 4190
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 1100
 -EMPTY REAR ----- 1590
 -LOADED FRONT OFF HWY - 1360
 -LOADED REAR OFF HWY - 2830
 -LOADED FRONT ON HWY - 1360
 -LOADED REAR ON HWY - 2830
 PERSONNEL LOAD (NR) ----- 2 IN CAB, 12 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 2000
 -ON HWY ----- 2000
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 4710
 WIDTH O/ALL ----- 2045
 HEIGHT O/ALL ----- 2390
 CARGO SPACE-
 -LENGTH ----- 3000
 -WIDTH ----- 1890
 -HGT OF SIDES ----- ?
 TREAD, C TO C-
 -FRONT ----- ?
 -REAR ----- ?
 WHEELBASE ----- 2800
 GROUND CLEARANCE ----- 300
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL - N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60 DEG
 TURNING RADIUS (MM) ----- 7200
 FORDING DEPTH (MM) ----- 510
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 14.5
 -WATER (L/HRI) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 319
 -WATER ----- N/A
 MAX SPEED (KM/HRI) LOADED -
 -ROAD ----- 98
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) ---- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- NISSAN
 TYPE ----- ?
 MAX HP AT RPM ----- 145 AT 3800
 MAX TORQUE (KGM) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - ?
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?
 FOM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 7.50 X 20
 -PLY ----- 10 PLY
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 68
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC ALL WHEELS
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC LEAF SPRING
 -REAR ----- SEMIELLIPTIC LEAF SPRING
 TRANSMISSION-
 -TYPE ----- MANUAL (SYNCHROMESH)
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- ?
 -AUTOMATIC ----- ?
 ELEC SYSTEM (VOLTS) --- 12-V
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) -- ?

REMARKS:

DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOH-2320-30-4-29-8

NOMEN: TRUCK, UTILITY, 1 1/2-TON, 4X4, NISSAN 4W73

PRODUCED/ADOPTED: 1961-DATE/

CATALOG: T8-381-5-22

(OLD 30-2320-4-29)

COUNTRY: JAPAN

DATE UPDATED: 06SEP73



DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-30-4-29-B
NOMEN: TRUCK, UTILITY, 1 1/2-TON, 4X4, NISSAN 4W73
PRODUCED/ADOPTED: 1961-DATE/

CATALOG: TB-381-5-22
(OLD 30-2320-4-29)
COUNTRY: JAPAN
DATE UPDATED: 06SEP73

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DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-30-4-32-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, POL, 6 X 2 13,600 LITERS, HINO TC 311

(OLD 30-2320-4-32)

NATIVE DES: ?

COUNTRY: JAPAN

PRODUCED/ADOPTED: ??

DATE UPDATED: 20JUL73

(U)THE TC311 FUEL SERVICE TRUCK IS DESIGNED TO TRANSPORT GASOLINE OVER LONG DISTANCES. THE TANK BODY, MOUNTED ON A HINO TC311 CHASSIS, IS DIVIDED INTO FOUR COMPARTMENTS. EACH COMPARTMENT HAS A CAPACITY OF 3400 LITERS AND IS EQUIPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP. EQUIPMENT INCLUDES A FUEL FILTER, METER, LEVEL INDICATOR, CONTROL VALVES, SUCTION AND DELIVERY HOSES, AND A DISPENSING PUMP THAT CAN DELIVER 600 LITERS OF FUEL PER MINUTE.

(U)THIS FUEL SERVICE TRUCK IS PRODUCED BY HINO MOTORS, LTD., TOKYO.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-30-4-32-A
 NOMEN: TRUCK, TANK, POL, 6 X 2 13,600 LITERS, WIND TC 311

CATALOG: TB-381-5-22
 (OLD 30-2320-4-32)
 COUNTRY: JAPAN
 DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: ?/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 8620
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 10,500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 19,120
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 3

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
 -ON HWY ----- N/A

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 9080
 WIDTH O'ALL ----- 2470
 HEIGHT O'ALL ----- 2770

CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 5540

GROUND CLEARANCE ----- ?

PINTLE HEIGHT ----- N/A

HGT TO C OF 5TH WHL - N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- 9780
 FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- ?
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 60 MPH
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- DK-10
 TYPE ----- ?
 MAX HP AT RPM ----- 205 @ 2300
 MAX TORQUE (KG) ----- ?
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - ?
 BORE (MM) ----- 2
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) ?

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 10.00 X 20.00
 -PLY ----- ?
 -TYPE ----- ?

-LOADED RADIUS (MM) - ?

-INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- AIR, ALL WHEELS
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- SYNCHROMESH/OVERDRIVE
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 4
 LG X WD X HGT (MM)- 5480 2280 975
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 13,600

PUMP:

TYPE ----- ?
 MODEL ----- ?
 SPEED RPM ----- ?
 CAPACITY (LITERS P/MIN) ----- 600

HOSES:

SUCTION HOSE LENGTH (M) ----- 4.5
 -DIAMETER (MM) ----- 65
 DELIVERY HOSE LENGTH (M) ----- 9.1
 -DIAMETER (MM) ----- 38
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

REMARKS:

DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FON-2320-30-4-32-B

NOMEN: TRUCK, TANK, POL, 6 X 2 13,600 LITERS, HIND TC 311

PRODUCED/ADOPTED: 7/

CATALOG: T8-381-5-22

(OLD 30-2320-4-32)

COUNTRY: JAPAN

DATE UPDATED: 20JUL73

NO PICTURE AVAILABLE

DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-30-4-32-B
NOMEN: TRUCK, TANK, POL, 6 X 2 13,600 LITERS, HINO TC 311
PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22
(OLD 30-2320-4-32)
COUNTRY: JAPAN
DATE UPDATED: 20JUL73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-30-4-33-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, PGL, 4 X 2, 10,000-LITERS, TC81L

(OLO 30-2320-4-33)

NATIVE DES: ?

COUNTRY: JAPAN

PRODUCED/ADOPTED: 1969-DATE/

DATE UPDATED: 30AUG73

(U)THE TC81L FUEL SERVICE TRUCK IS DESIGNED TO TRANSPORT GASOLINE OVER LONG DISTANCES. THE TANK BODY IS A 10,000-LITER STEEL SHELL DIVIDED INTO FOUR COMPARTMENTS, EACH HAS A CAPACITY OF 2500 LITERS. EACH COMPARTMENT HAS A MANHOLE AND FILLER COVER ASSEMBLY, DISCHARGE VALVE WITH SCREEN ASSEMBLY, AND DRAIN PIPE. A COMPARTMENT IN THE REAR OF THE TANK BODY HOUSES A DELIVERY PUMP, A DISCHARGE VALVE CONTROL ASSEMBLY, A MANIFOLD, A GRAVITY DELIVERY GATE VALVE, AND A GAGE STICK. HOSES ARE HOUSED IN COMPARTMENTS LOCATED ON EACH SIDE OF THE TANK BODY. THE DELIVERY PUMP, POWERED BY THE TRUCK'S TRANSMISSION HAS A DELIVERY RATE OF 600 LITERS OF GASOLINE PER MINUTE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-30-4-33-A
 NOMEN: TRUCK, TANK, POL, 4 X 2, 10,000-LITERS, TC81L

CATALOG: TB-381-5-22
 (OLD 30-2320-4-33)
 COUNTRY: JAPAN
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1969-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 6795
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 7695
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 14,490
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?
 PERSONNEL LOAD (NR) ----- 3
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 7100
 WIDTH O/ALL ----- 2450
 HEIGHT O/ALL ----- 2750
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 1882
 -REAR ----- 1801
 WHEELBASE ----- 4100
 GROUND CLEARANCE ----- 259
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 22%
 TURNING RADIUS (MM) ----- 7250
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 81.7
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) ---- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

ENGINE:

MODEL ----- ?
 TYPE ----- 4 CYL, IN-LINE
 MAX HP AT RPM ----- 180 @ 2400
 MAX TORQUE (KGM) ----- 63 @ 1500
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 110
 STROKE (MM) ----- 130
 DISPLACEMENT (LITERS) 4.94
 FOM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 10.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 98
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- AIR, ALL WHEELS
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- CONSTANT-MESH
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 4
 LG X WD X HGT (MM)- ?
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 10,000

PUMP:

TYPE ----- ROTARY
 MODEL ----- ?
 SPEED RPM ----- ?
 CAPACITY (LITERS P/MIN) ----- 600

HOSES:

SUCTION HOSE LENGTH (M) ----- 3
 -DIAMETER (MM) ----- 65
 DELIVERY HOSE LENGTH (M) ----- 5
 -DIAMETER (MM) ----- 38
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-30-4-33-B

NOMEN: TRUCK, TANK, POL, 4 X 2, 10,000-LITERS, TC81L

PRODUCED/ADOPTED: 1969-DATE/

CATALOG: TB-381-5-22

(OLD 30-2320-4-33)

COUNTRY: JAPAN

DATE UPDATED: 30AUG73



DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-30-4-33-8

NOMEN: TRUCK, TANK, POL, 4 X 2, 10,000-LITERS, TC81L

PRODUCED/ADOPTED: 1969-DATE/

CATALOG: TB-381-5-22
(OLD 30-2320-4-33)
COUNTRY: JAPAN
DATE UPDATED: 30AUG73

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DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-35-4-19-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 10 TON, 6X6, MED/HVY. A.E.C. MK 1

(OLD 35-2320-4-19)

NATIVE DES: SAME AS ABOVE

COUNTRY: UNITED KINGDOM

PRODUCED/ADOPTED: 1955-DATE/

DATE UPDATED: 13SEP73

(U)THIS ALL-WHEEL DRIVE VEHICLE IS MANUFACTURED BY A.E.C. LTD, SOUTHALL, MIDDLESEX. IT IS BASED ON A PROVEN COMMERCIAL-TYPE CHASSIS MODIFIED WHERE NECESSARY TO MEET A MILITARY SPECIFICATION. THIS VEHICLE HAS A LIMITED CROSS-COUNTRY ABILITY. AS A PRIME MOVER IT TOWS MEDIUM AND HEAVY AA PIECES THAT WEIGH AS MUCH AS 1630 KILOGRAMS GROSS. IT IS FITTED WITH A 7-TON WINCH, DRIVEN FROM A POWER TAKEOFF AND HAVING A 76 METER CABLE. THE BODY, DESIGNED AND BUILT BY CROSSLEY MOTORS LTD, STOCKPORT, CHESHIRE, IS DESIGNED TO CARRY A GUN CREW OF SEVEN WITH PERSONAL EQUIPMENT AND WEAPONS, PLUS 4000 KILOGRAMS OF AMMUNITION AND CARGO.

DATE CATALOGED: 01JAN73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-35-4-19-A

NOMEN: TRUCK, CARGO, 10 TON, 6X6, MED/HVY. A.E.C. MK I

PRODUCED/ADOPTED: 1955-DATE/

CATALOG: T8-381-5-22
(OLD 35-2320-4-19)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 13SEP73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 10,570
 -PAYLOAD OFF HWY ----- 5130
 -PAYLOAD ON HWY ----- 10000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 15690
 -GROSS ON HWY ----- 20570
 -GROSS, WATER -----

AXLE LOAD (KG)-

-EMPTY FRONT ----- 5440
 -EMPTY REAR ----- 5130
 -LOADED FRONT OFF HWY -- 6890
 -LOADED REAR OFF HWY -- 8800
 -LOADED FRONT ON HWY -- 8370
 -LOADED REAR ON HWY -- 12200

PERSONNEL LOAD (NR) ----- 9 INCLUDE CREW

MAX TOWED LOAD (KG)-

-OFF HWY ----- 11380
 -ON HWY ----- 16260

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7380
 WIDTH O'ALL ----- 2400
 HEIGHT O'ALL ----- 3050
 CARGO SPACE-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- 1980
 -REAR ----- 1910

WHEELBASE ----- 3924

GROUND CLEARANCE ----- 337

PINTLE HEIGHT ----- 7

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 20%
 TURNING RADIUS (MM) ----- 8800

FORDING DEPTH (MM) ----- 760

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 26
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 690
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 52
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- 45

ANGLE OF DEPARTURE (DEG) --- 35

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) 2

ENGINE:

MODEL ----- A.E.C. A 223
 TYPE ----- 6 CYLINDER INLINE
 MAX HP AT RPM ----- 150 @ 1800
 MAX TORQUE (KGM) ---- 70
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) 11.3

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 14.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - 595
 -INFLATION SYSTEM --- N/A

FUEL CAP (LITERS)-

-MAIN TANK ----- 180
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- AIR TWIN-CIRCUITS
 -PARKING TYPE ----- MECHANICAL 4 WHEELS

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPITIC
 -REAR ----- SEMIELLIPITIC INVERTED

TRANSMISSION-

-TYPE ----- A.E.C. 0163 MANUAL MESH
 -NR SPEEDS FWD/RVSE - 5/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- ?
 -AUTOMATIC ----- ?

ELEC SYSTEM (VOLTS) --- 24 (4 6V BTRY'S)

WINCH-TYPE ----- ? MECHANICAL

-CAPACITY (KG) ----- ? 7000
 -CABLE LENGTH (MM) --- ? 76000

REMARKS:

DATE CATALOGED: 01JAN73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-35-4-19-8

NOMEN: TRUCK, CARGO, 10 TON, 6X6, MED/HVY. A.E.C. MK I

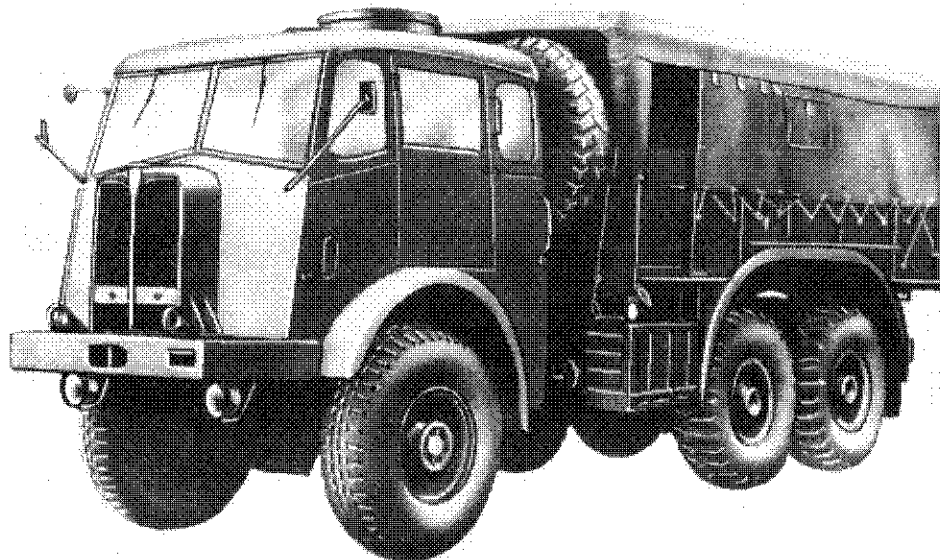
PRODUCED/ADOPTED: 1955-DATE/

CATALOG: TB-381-5-22

(OLD 35-2320-4-19)

COUNTRY: UNITED KINGDOM

DATE UPDATED: 13SEP73



DATE CATALOGED: 01JAN73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-35-4-19-8

NOMEN: TRUCK, CARGO, 10 TON, 6X6, MED/HVY, A.E.C. MK I

PRODUCED/ADOPTED: 1955-DATE/

CATALOG: TB-381-5-22

IGLD 35-2320-4-191

COUNTRY: UNITED KINGDOM

DATE UPDATED: 13SEP73

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DATE CATALOGED: 01JAN73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-35-4-45-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, POL, 4X4, 2730 LITERS, BEDFORD RL

(OLD 35-2320-4-45)

NATIVE DES: TRUCK, TANKER, FUEL, 4X4, BEDFORD RL
PRODUCED/ADOPTED: ?/

COUNTRY: UNITED KINGDOM
DATE UPDATED: 20JUL73

(THIS VEHICLE IS A BRITISH MILITARY TANK TRUCK DESIGNED FOR DISPENSING FUELS DIRECTLY TO STORAGE TANKS USED FOR SERVICING VEHICLES. THE TANK BODY, MOUNTED ON A BEDFORD CHASSIS 9103, IS EQUIPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP. A CABINET IN THE REAR OF THE TANK BODY HOUSES FOUR SPRING RE-WIND DISPENSING HOSE REELS, AND A COMPARTMENT ON THE SIDE OF THE TANK BODY HOUSES A SUCTION HOSE. A SELF-PRIMING CENTRIFUGAL PUMP, POWERED BY THE TRUCK'S TRANSMISSION, CAN DELIVER 230 LITERS OF FUEL PER MINUTE SIMULTANEOUSLY THROUGH EACH OF THE FOUR DISPENSING HOSES. WHEN ONLY ONE DISPENSING HOSE IS USED, IT CAN DELIVER 900 LITERS PER MINUTE. THIS TANK TRUCK IS PRODUCED BY VAUXALL MOTORS, LTD, LUTON, BEDFORDSHIRE

DATE CATALOGED: 01AUG72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-35-4-45-A
NOMEN: TRUCK, TANK, POL, 4X4, 2730 LITERS, BEDFORD RL

CATALOG: T8-381-5-22
(OLD 35-2320-4-45)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: ??

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 6609
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 2395
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 9004
-GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
-EMPTY REAR ----- ?
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY - ?
-LOADED REAR ON HWY - ?

PERSONNEL LOAD (NR) ----- 3

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
-ON HWY ----- N/A

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6744
WIDTH O'ALL ----- 2324
HEIGHT O'ALL ----- 2743

CARGO SPACE-

-LENGTH ----- N/A
-WIDTH ----- N/A
-HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1854
-REAR ----- 1854

WHEELBASE ----- 3962

GROUND CLEARANCE ----- 300

PINTLE HEIGHT ----- N/A

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 33%
TURNING RADIUS (MM) ----- 18,300

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 33
-WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 400
-WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 72
-WATER ----- N/A

ANGLE OF APPROACH (DEG) --- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- BEDFORD
TYPE ----- 6 CYL
MAX HP AT RPM ----- 132 @ 3200
MAX TORQUE (KGM) ----- 31 @ 1200
FUEL TYPE ----- GASOLINE
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- ?
STROKE (MM) ----- ?
DISPLACEMENT (LITERS) 4.927

FOM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 12.00 X 20
-PLY ----- 14
-TYPE ----- ?
-LOADED RADIUS (MM) - ?
-INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 136
-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC W/AIR
-PARKING TYPE ----- MECHANICAL REAR ONLY

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPGS
-REAR ----- SEMIELLIPTIC SPGS

TRANSMISSION-

-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- 2

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
NR COMPARTMENTS --- 1
LG X WD X HGT (MM) - ? X ? X ?
WEIGHT-EMPTY (KG) - ?
CAPACITY (LITERS) - 2730

PUMP:

TYPE ----- #1
MODEL ----- ?
SPEED RPM ----- ?
CAPACITY (LITERS P/MIN) ----- 900

HOSES:

SUCTION HOSE LENGTH (M) ----- 10.1 MTR
-DIAMETER (MM) ----- 65
DELIVERY HOSE LENGTH (M) ----- 4 @ 18 MTR (EA)
-DIAMETER (MM) ----- 38
AUX DELIVERY HOSE LGTH (M) -- N/A
-DIAMETER (MM) ----- N/A

REMARKS:

1/ SELF-PRIMING CENTRIFUGAL

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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2320-35-4-45-8

NGMEN: TRUCK, TANK, POL, 4X4, 2730 LITERS, BEDFORD RL

PRODUCED/ADOPTED: 27

CATALOG: Y8-381-5-22

10LD 35-2320-4-451

COUNTRY: UNITED KINGDOM

DATE UPDATED: 20JUL73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-35-4-45-B

NOMEN: TRUCK, TANK, POL, 4X4, 2730 LITERS, BEDFORD RL

PRODUCED/ADOPTED: 77

CATALOG: TB-381-5-22
(OLD 35-2320-4-45)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 20JUL73

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DATE CATALOGED: 01AUG72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-35-4-46-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, CARGO, 1-TON, 4X4, 101-INCH WHEELBASE ROVER

(OLD 35-2320-4-46)

NATIVE DES: 101" WHEELBASE FORWARD CONTROL LAND-ROVER
PRODUCED/ADOPTED: 1971-DATE/COUNTRY: UNITED KINGDOM
DATE UPDATED: 30AUG73

(U) THIS VEHICLE IS DESIGNED TO MEET A BRITISH MILITARY REQUIREMENT FOR A 1-TON CAPACITY VEHICLE. IT HAS ADDED CAPABILITY OF BEING COUPLED TO A POWERED-AXLE TRAILER, ALSO OF A 1-TON CAPACITY. THIS ASSURES A HIGH MOBILITY CROSS-COUNTRY UNIT OF 2-TON CAPACITY WITHOUT THE DRAWBACK POSED BY THE SIZE OF A CONVENTIONAL 2-TON VEHICLE. THIS CONCEPT ASSURES THE ADVANTAGE OF A 6X6 UNIT, WITH THE ADDED BENEFIT THAT ALL WHEELS ARE IN CONTACT WITH THE GROUND AT ALL TIMES; WHEREAS, A NORMAL SIX-WHEELED VEHICLE CAN "HANG" TWO WHEELS IN MID AIR WHEN TRAVELING OVER ROUGH TERRAIN. THIS CONSIDERABLY IMPROVES THE PERFORMANCE IN ADVERSE CONDITIONS AND IS ACHIEVED BY ARRANGING FOR THE DRIVE TO BE TRANSMITTED TO THE TRAILER THROUGH ANGLES OF UP TO 60 DEGREE IN ALL DIRECTIONS. THE VEHICLE ITSELF IS MORE COMPACT THAN THE 2800 MILLIMETER WHEELBASE FORWARD-CONTROL LAND ROVER (FOM-2320-35-4-44)

(U) THE NEW 1-TON LAND ROVER IS ALSO USED TO TOW THE NEW 105-MM LIGHT GUN AND REPORTABLY PERFORMS WELL.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-35-4-46-A
 NOMEN: TRUCK, CARGO, 1-TON, 4X4, 101-INCH WHEELBASE ROVER

CATALOG: TB-381-5-22
 (OLD 35-2320-4-46)
 COUNTRY: UNITED KINGDOM
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1971-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 1898
 -PAYLOAD OFF HWY ----- 1198
 -PAYLOAD ON HWY ----- 1361
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- 3096
 -GROSS ON HWY ----- 3259
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 1173
 -EMPTY REAR ----- 725
 -LOADED FRONT OFF HWY - 1597
 -LOADED REAR OFF HWY -- 1499
 -LOADED FRONT ON HWY -- 1680
 -LOADED REAR ON HWY --- 1579
 PERSONNEL LOAD (NR) ---- 2 CAB; 8 REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- 907
 -ON HWY ----- 1814
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 4127
 WIDTH O/ALL ----- 1842
 HEIGHT O/ALL ----- 2145
 CARGO SPACE-
 -LENGTH ----- 2502
 -WIDTH ----- 1732
 -HGT OF SIDES ----- 591
 TREAD, C TO C-
 -FRONT ----- 1525
 -REAR ----- 1550
 WHEELBASE ----- 2565
 GROUND CLEARANCE ----- 254
 PINTLE HEIGHT ----- 690
 HGT TO C OF 5TH WHL --- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 33%
 TURNING RADIUS (MM) ----- 3640
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 28
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 390
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 64
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- 50 DEG
 ANGLE OF DEPARTURE (DEG) --- 51 DEG
 VERTICAL OBSTACLE (MM) -----
 TRENCH CROSSING ABILITY(MM)

ENGINE:

MODEL ----- ROVER
 TYPE ----- V-8
 MAX HP AT RPM ----- 156 AT 5000
 MAX TORQUE (KG-M) ----- ?
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) 3.528
 FOM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 9.00 x 15 DUNLOP TRAK-GR
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- NONE
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 109
 -AUX TANK ----- ?
 BRAKES-
 -PRIMARY TYPE ----- #1
 -PARKING TYPE ----- MECHANICAL ON DRIVE-SHAFT
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC LEAF SPGS
 -REAR ----- SEMIELLIPTIC LEAF SPGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 4/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24V (2 12V BTRY)
 WINCH-TYPE ----- ?
 -CAPACITY (KG) ----- ?
 -CABLE LENGTH (MM) --- ?

REMARKS:

1/ GIRLING TYPE 50, HYDROVAC W/INVERTED
 VACUUM SINGLE LINE SYSTEM FOR TRAILER

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U N C L A S S I F I E D

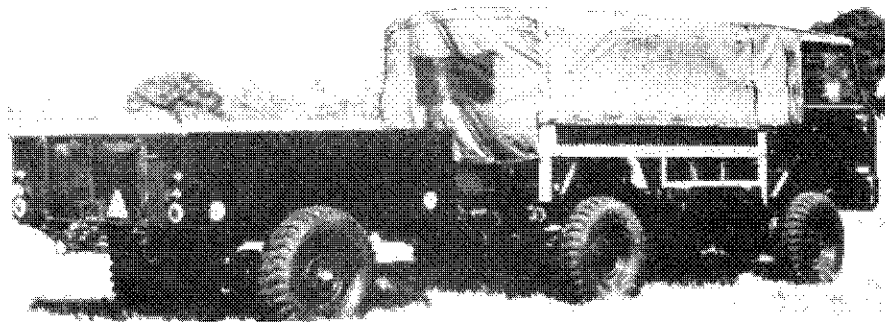
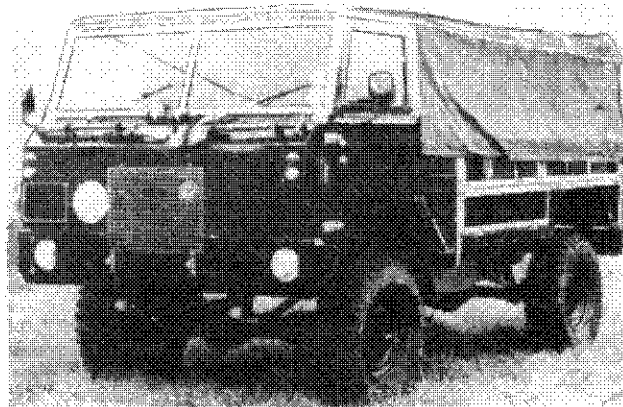
U N C L A S S I F I E D

FORM-2320-35-4-46-8

NOMEN: TRUCK, CARGO, 1-TON, 4X4, 101-INCH WHEELBASE ROVER

PRODUCED/ADOPTED: 1971-DATE/

CATALOG: T6-381-5-22
(OLD 35-2320-4-46)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 30AUG73



DATE CATALOGED: 01NOV72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-35-4-46-B

NOMEN: TRUCK, CARGO, 1-TON, 4X4, 101-INCH WHEELBASE ROVER

PRODUCED/ADOPTED: 1971-DATE/

CATALOG: TB-381-5-22
(OLD 35-2320-4-46)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-35-4-47-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, POL, 4X2, 10,000 LITERS, AEC MERCURY

(OLD 35-2320-4-47)

NATIVE DES: TRUCK, TANKER, FUEL SERVICING AIRCRAFT, 4X2, AEC MERCURY
PRODUCED/ADOPTED: ?/

COUNTRY: UNITED KINGDOM

DATE UPDATED: 30AUG73

(U)THIS VEHICLE HAS BEEN DESIGNED AND BUILT TO MEET AN AIR MINISTRY OPERATIONAL REQUIREMENT TO PROVIDE FILTERED FUEL TO MILITARY AIRCRAFT. IT ALSO IS DESIGNED TO BE AIR TRANSPORTABLE (EMPTY) IN THE ARGOSY TRANSPORT. THE VEHICLE'S CAB TOP AND STEERING WHEEL ARE REMOVABLE TO FACILITATE ENTRY INTO THE AIRCRAFT. THE TANK BODY, MOUNTED ON A MERCURY MK 2 (AEC) CHASSIS, IS MADE OF ALUMINUM ALLOYS. THIS VEHICLE, WHEN REFUELING UNDER PRESSURE, CAN DELIVER 1365 LITERS OF FUEL PER MINUTE AND DEFUEL AT THE RATE OF 318 LITERS PER MINUTE. THE CHASSIS IS MANUFACTURED BY THE A.E.C. LTD, SOUTHALL, MIDDLESEX, AND THE TANK BODY AND EQUIPMENT BY ZWICKY LTD, SLOUGH.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2320-35-4-47-A
 NOMEN: TRUCK, TANK, POL, 4X2, 10,000 LITERS, AEC MERCURY

CATALOG: TB-391-5-22
 (OLD 35-2320-4-47)
 COUNTRY: UNITED KINGDOM
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 77

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 6298
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 7998
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 14,296
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY -- ?
 PERSONNEL LOAD (NR) ----- 3
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 9144
 WIDTH O'ALL ----- 2464
 HEIGHT O'ALL ----- 1890
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 1940
 -REAR ----- 1819
 WHEELBASE ----- 5258
 GROUND CLEARANCE ----- ?
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 16%
 TURNING RADIUS (MM) ----- 22,600
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- 76
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- 480
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 72
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) --- ?
 TRENCH CROSSING ABILITY (MM) ?

REMARKS:

ENGINE:

MODEL ----- AEC. AV 470 DIESEL
 TYPE ----- ?
 MAX HP AT RPM ----- 138 @ 2200
 MAX TORQUE (KGM) ----- 46 @ 1000
 FUEL TYPE ----- DIESEL
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- ?
 STROKE (MM) ----- ?
 DISPLACEMENT (LITERS) 7.685

FQM NR ----- ?

GENERAL DATA:

TIRES-
 -SIZE ----- 11.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 360
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- TWIN CIRCUIT AIR SYSTEM
 -PARKING TYPE ----- MECHANICAL (REAR ONLY)
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR SPEEDS FWD/RVSE - 5/1
 TRANSFER, NR SPEEDS --- 2
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 24
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- ALUMINUM
 NR COMPARTMENTS --- ?
 LG X WD X HGT (MM) - ?
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 10,000

PUMP:

TYPE ----- ?
 MODEL ----- ?
 SPEED RPM ----- ?
 CAPACITY (LITERS P/MIN) ----- 1365

HOSES:

SUCTION HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- ?
 DELIVERY HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- ?
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-35-4-47-B

NOMEN: TRUCK, TANK, POL, 4X2, 10,000 LITERS, AEC MERCURY

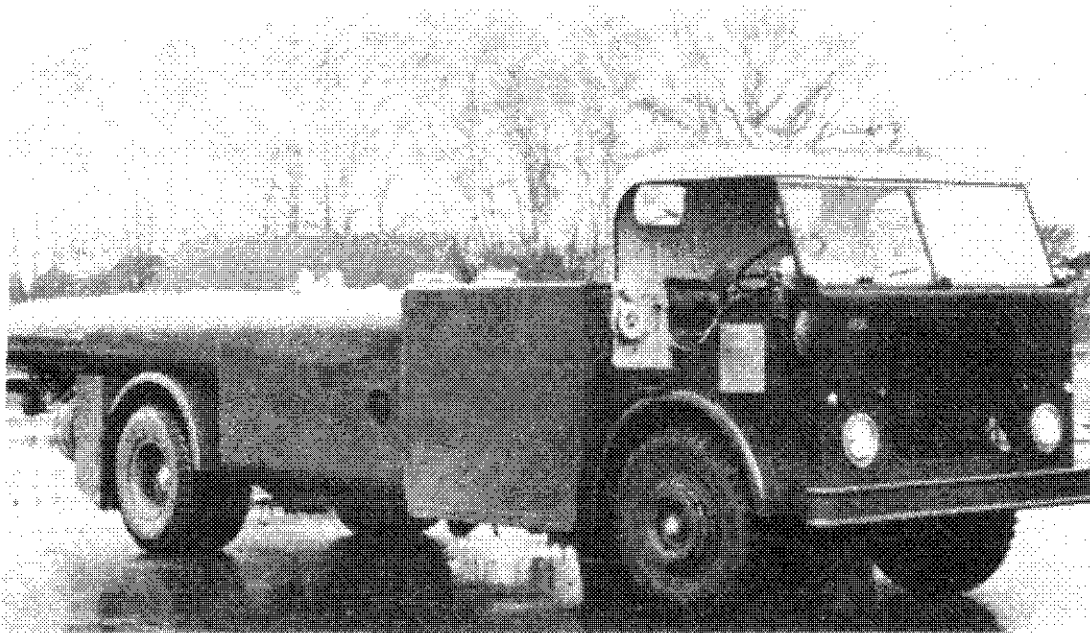
PRODUCED/ADOPTED: 2/

CATALOG: TB-381-5-22

(OLD 35-2320-4-47)

COUNTRY: UNITED KINGDOM

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2320-35-4-47-B

NOMEN: TRUCK, TANK, POL, 4X2, 10,000 LITERS, AEC MERCURY

PRODUCED/ADOPTED: 7/

CATALOG: T8-381-5-22
(OLD 35-2320-4-47)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01AUG72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2320-35-4-48-A

CATALOG: TB-381-5-22

NOMEN: TRUCK, TANK, POL, 4X2, 4550 LITERS, BEDFORD TKFL

(OLD 35-2320-4-48)

NATIVE DES: TRUCK, TANKER, FUEL, AIRCRAFT (1000-GAL.), AIRPORTABLE 3-TON,
PRODUCED/ADOPTED: ?/ 4 x 2 BEDFORD (TKFL)

COUNTRY: UNITED KINGDOM
DATE UPDATED: 20JUL73

(U) THIS VEHICLE WAS DESIGNED AND BUILT TO MEET AN AIR MINISTRY OPERATIONAL REQUIREMENT FOR SERVICING MILITARY AIRCRAFT WITH FILTERED FUEL. IT WAS ALSO DESIGNED TO BE AIR TRANSPORTABLE (EMPTY) IN A TRANSPORT AIRCRAFT. THE TANK BODY, MOUNTED ON A 3-TON 4X2 BEDFORD TKFL CHASSIS, IS MADE OF ALUMINUM ALLOYS. FUEL IS DISCHARGED BY MEANS OF A PUMP THAT IS OPERATED BY A POWER TAKEOFF THROUGH THE DRIVE SHAFT LOCATED UNDER THE TANK BODY. THE PUMP CAN DELIVER FUEL AT 682 LITERS PER MINUTE, AND DEFUEL AT THE RATE OF 227 LITERS PER MINUTE.

(U) THIS TANK TRUCK CHASSIS IS MANUFACTURED BY VAUXALL MOTORS LTD, LUTON; THE TANK BODY AND EQUIPMENT BY ZWICKY LTD, SLOUGH.

DATE CATALOGED: 01NOV72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-35-4-48-A

NOMEN: TRUCK, TANK, POL, 4X2, 4550 LITERS, BEDFORD TKFL

CATALOG: T8-381-5-22

(OLO 35-2320-4-48)

COUNTRY: UNITED KINGDOM

DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: 7/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 6172
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 3761
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 9933
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY --- ?
 -LOADED REAR OFF HWY --- ?
 -LOADED FRONT ON HWY --- ?
 -LOADED REAR ON HWY --- ?

PERSONNEL LOAD (NR) ----- 3

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
 -ON HWY ----- N/A

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 6756
 WIDTH O/ALL ----- 2286
 HEIGHT O/ALL ----- 2527

CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1835
 -REAR ----- 1705

WHEELBASE ----- 4242

GROUND CLEARANCE ----- ?

PINTLE HEIGHT ----- N/A

HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 33%
 TURNING RADIUS (MM) ----- 16700

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- 26
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- 400
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- 64
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- ?

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) 2

ENGINE:

MODEL ----- BEDFORD (330 CU IN)

TYPE -----

MAX HP AT RPM ----- 104 AT 2600

MAX TORQUE (KG) ----- 32 @ 1800

FUEL TYPE ----- DIESEL

COOLING SYSTEM-TYPE - LIQUID

BORE (MM) ----- ?

STROKE (MM) ----- ?

DISPLACEMENT (LITERS) 5.418

FDM NR ----- ?

GENERAL DATA:

TIRES-

-SIZE ----- 8.25 X 20

-PLY ----- 12

-TYPE ----- ?

-LOADED RADIUS (MM) - ?

-INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- 98

-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- HYDRAULIC W/AIR

-PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPGS

-REAR ----- SEMIELLIPTIC SPGS

TRANSMISSION-

-TYPE ----- SYNCHROMESH

-NR SPEEDS FWD/RVSE - 4/1

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A

-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12V

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- ALUMINUM

NR COMPARTMENTS --- ?

LG X WD X HGT (MM) - ?

WEIGHT-EMPTY (KG) - ?

CAPACITY (LITERS) - 4550

PUMP:

TYPE ----- ?

MODEL ----- ?

SPEED RPM ----- ?

CAPACITY (LITERS P/MIN) ----- 682

HOSES:

SUCTION HOSE LENGTH (M) ----- ?

-DIAMETER (MM) ----- ?

DELIVERY HOSE LENGTH (M) ----- ?

-DIAMETER (MM) ----- ?

AUX DELIVERY HOSE LGTH (M) --- N/A

-DIAMETER (MM) ----- N/A

REMARKS:

DATE CATALOGED: 01NOV72

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-35-4-48-B

NOMEN: TRUCK, TANK, PDL, 4X2, 4550 LITERS, BEDFORD TKFL

PRODUCED/ADOPTED: ?/

CATALOG: TB-381-5-22

(OLD 35-2320-4-48)

COUNTRY: UNITED KINGDOM

DATE UPDATED: 20JUL73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2320-35-4-48-8

NOMEN: TRUCK, TANK, POL, 4X2, 4550 LITERS, BEDFORD TKFL

PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22

(OLD 35-2320-4-48)

COUNTRY: UNITED KINGDOM

DATE UPDATED: 20JUL73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-45-4-1-A

CATALOG: T8-381-5-22

NOMEN: TRUCK, UTILITY, 1/2 TON, 4X2, "SKOPAK"

(OLD 45-2320-4-1)

NATIVE DES: ?

COUNTRY: PAKISTAN

PRODUCED/ADOPTED: 1970-DATE/

DATE UPDATED: 07AUG73

(U)THE "SKOPAK", A NEW VEHICLE THAT USES THE MECHANICS AND CHASSIS OF THE CZECHOSLOVAK SKODA OCTAVIA COMBI STATION WAGON, WAS FIRST PRODUCED BY THE HARDON INDUSTRIES LTD IN PAKISTAN IN MAY 1970. ITS 4-WHEEL INDEPENDENT SUSPENSION IS ADMIRABLY SUITED TO CROSS-COUNTRY TRAVEL AS WELL FOR TRAVERSING UNPAVED CART TRACKS. IT IS POWERED BY A SKODA 1200 GASOLINE ENGINE POWERFUL ENOUGH TO HAUL A TRAILER OF UP TO 3/4-METRIC TON GROSS WEIGHT AT A MAXIMUM SPEED OF 50 KILOMETERS PER HOUR.

(U)THE SKOPAK BODY IS PAKISTANI MADE THROUGHOUT. IT CONSISTS OF A STEEL FRAME AND FIBERGLASS-REINFORCED PLASTIC PANELS WHICH FORM THE OUTER BODY SECTIONS AS WELL AS THE FLOOR OF THE CARGO AREA.

(U)THE JEEP-TYPE "SKOPAK" IS OF LIMITED MILITARY INTEREST AS A RECONNAISSANCE AND LIAISON VEHICLE DESPITE ITS LACK OF A FRONT-WHEEL DRIVE.

DATE CATALOGED: 01AUG73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-45-4-1-A
 NOMEN: TRUCK, UTILITY, 1/2 TON, 4X2, "SKODAK"

CATALOG: TB-381-5-22
 (OLD 45-2320-4-1)
 COUNTRY: PAKISTAN
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1970-DATE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- ?
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY --- ?
 PERSONNEL LOAD (NR) ----- 2 IN CAB - 6 IN REAR
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- ?
 -ON HWY ----- 750
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 4207
 WIDTH O/ALL ----- 1707
 HEIGHT O/ALL ----- 1006
 CARGO SPACE-
 -LENGTH ----- 1738
 -WIDTH ----- 1402
 -HGT OF SIDES ----- 497
 TREAD, C TO C-
 -FRONT ----- 1200
 -REAR ----- 1250
 WHEELBASE ----- 2400
 GROUND CLEARANCE ----- 264
 PINTLE HEIGHT ----- ?
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- ?
 TURNING RADIUS (MM) ----- ?
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- ?
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- ?
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- 50
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- SKODA 1202
 TYPE ----- 4 CYL, 4 STROKE
 MAX HP AT RPM ----- 43 AT 4500
 MAX TORQUE (KGM) ----- 8.7 AT 3000
 FUEL TYPE ----- GASOLINE
 COOLING SYSTEM-TYPE - LIQUID
 BORE (MM) ----- 72
 STROKE (MM) ----- 75
 DISPLACEMENT (LITERS) 1.221

FOM NR -----

GENERAL DATA:

TIRES-

-SIZE ----- ?
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- N/A
 FUEL CAP (LITERS)-
 -MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-

-PRIMARY TYPE ----- ?
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- INDEPENDENT
 -REAR ----- INDEPENDENT

TRANSMISSION-

-TYPE ----- ?
 -NR SPEEDS FWD/RVSE - ?
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- ?
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

REMARKS:

DATE CATALOGED: 01AUG73
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U N C L A S S I F I E D

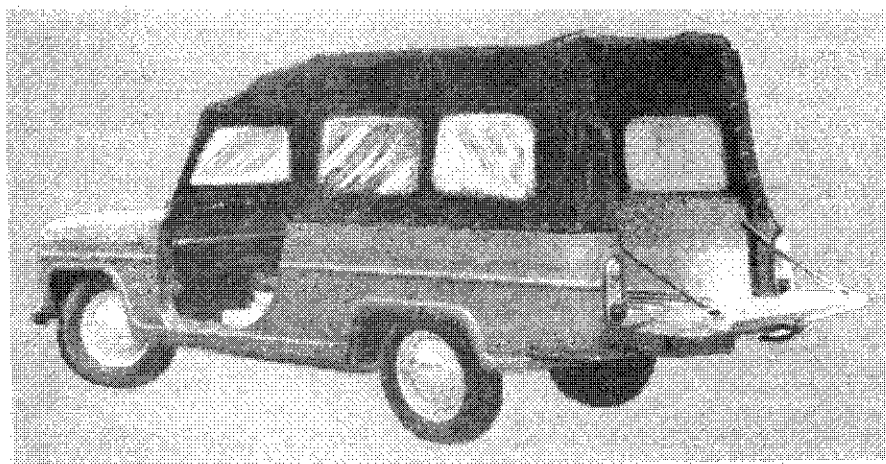
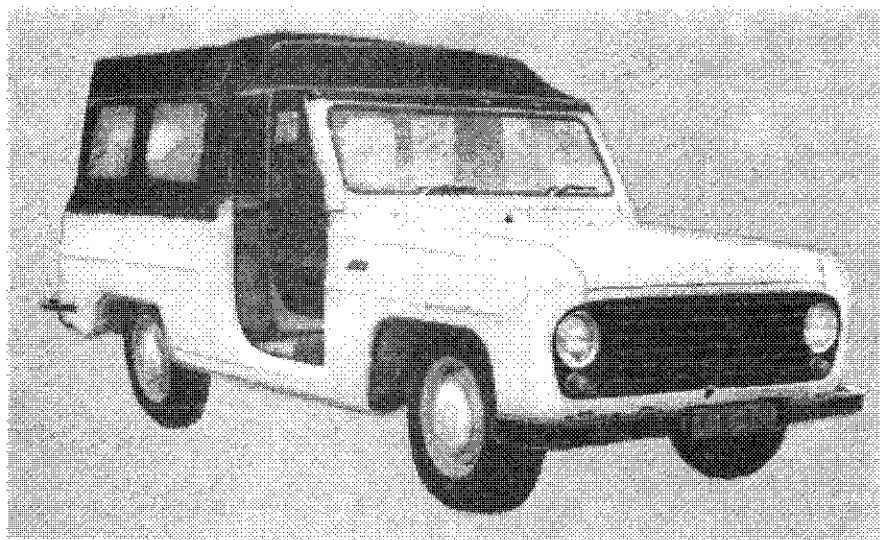
U N C L A S S I F I E D

FOM-2320-45-4-1-B

NOMEN: TRUCK, UTILITY, 1/2 TON, 4X2, "SKOPAK"

PRODUCED/ADOPTED: 1970-DATE/

CATALOG: TB-381-5-22
(OLD 45-2320-4-1)
COUNTRY: PAKISTAN
DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2320-45-4-1-8

NOMEN: TRUCK, UTILITY, 1/2 TON, 4X2, "SKOPAK"

PRODUCED/ADOPTED: 1970-DATE/

CATALOG: TB-381-5-22

(OLD 45-2320-4-1)

COUNTRY: PAKISTAN

DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2330-2-1-4-A

CATALOG: TB-381-5-22

NOMEN: SEMITRAILER, STAKE, CARGO, 6 TON, PP-6

(OLD 2-2330-1-4)

NATIVE DES: POLUPRITSEP PP-6
PRODUCED/ADOPTED: ??

COUNTRY: U.S.S.R
DATE UPDATED: 30AUG73

(U)THE PP-6 IS DESIGNED FOR TRANSPORTING GENERAL CARGO AND BOXED GOODS. THE WOODEN SIDES ARE HINGED AT THE BOTTOM AND CAN BE LOWERED TO FACILITATE LOADING AND UNLOADING. TRAILER USES ARE LIMITED TO GENERAL SERVICE, SHORT-HAUL TRANSPORT IN GARRISONS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-4-A
NOMEN: SEMITRAILER, STAKE, CARGO, 6 TON, PP-6

CATALOG: TB-381-5-22
(OLD 2-2330-1-4)
COUNTRY: U.S.S.R
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ?/

TOWING VEHICLE: --- ?

SUSPENSION:

TYPE-

-FRONT --- N/A

-REAR --- SEMIEIPTIC SPRINGS

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 9000

-NET W/DOLLY ---- 3000

-NET W/O DOLLY --- N/A

PAYLOAD (KG) ----- 6000

AXLELOAD (KG)-

-FRONT LOADED ---- ?

-REAR LOADED ---- ?

WHEELBASE (MM) ----- *1

ROAD WHEELS (NR) --- 4

TIRE SIZE-

-FRONT ----- N/A

-REAR ----- 700 X 34

TREAD-C TO C (MM)-

-FRONT ----- N/A

-REAR ----- 1676

LENGTH O/ALL (MM)-

-W/DOLLY ----- 5100

-W/O DOLLY ----- N/A

WIDTH O/ALL (MM) --- 2298

HEIGHT O/ALL (MM) -- 1953

LOADING HGT (MM) --- 1350

LUNETTE HGT (MM) --- N/A

FIFTH WHEEL-

-TYPE ----- ?

-SIZE ----- ?

-HEIGHT (MM) ----- 935

LANDING GEAR-TYPE ROLLER

BRAKES:

SERVICE ---- PNEUMATIC

PARKING ---- MECHANICAL, HAND-OPERATED

CARGO BODY:

TYPE ----- STAKE

MATERIAL --- STEEL AND WOOD

LENGTH (MM)- 4942

WIDTH (MM) - 2080

HEIGHT (MM)-

-W/BOWS -- ?

-W/O BOWS- 603

REMARKS:

1/ THE WHEELBASE IS 3733 MM FROM THE REAR AXLE TO
THE CENTER LINE OF THE FIFTH WHEEL KINGPIN.

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U N C L A S S I F I E D

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FORM-2330-2-1-4-B

NOMEN: SEMITRAILER, STAKE, CARGO, 6 TON, RP-6

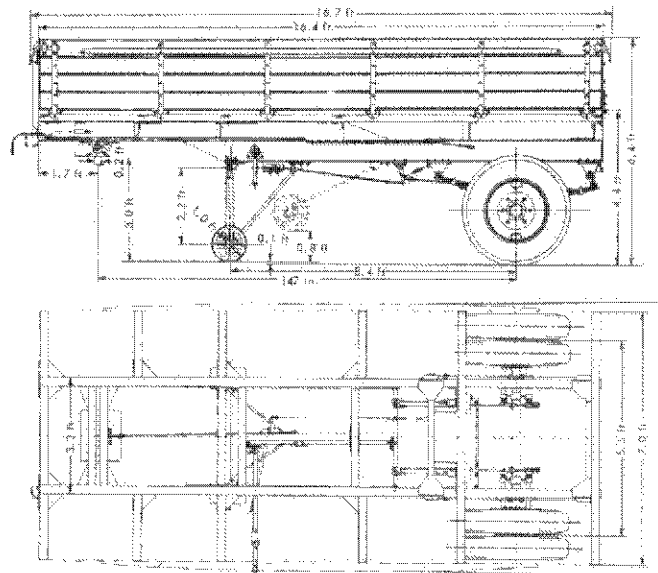
PRODUCED/ADOPTED: ?/

CATALOG: TB-381-5-22

OLD 2-2330-1-4)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-4-B

NOMEN: SEMITRAILER, STAKE, CARGO, 6 TON, PP-6

PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22

(OLD 2-2330-1-4)

COUNTRY: U.S.S.R

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-7-A

CATALOG: TB-381-5-22

NOMEN: TRAILER, STAKE, CARGO, 5-TON 2-AP-5

(OLD 2-2320-1-7)

NATIVE DES: PRITSEP 2-AP-5

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: ?

DATE UPDATED: 30AUG73

(U)THE 2-AP-5 TRAILER IS USED FOR TRANSPORTING GENERAL CARGO AND BOXED GOODS. THE WOODEN SIDES ARE HINGED AT THE BOTTOM AND CAN BE LOWERED TO FACILITATE LOADING AND UNLOADING. MILITARY APPLICATIONS ARE FOR SHORT HAULS AND GENERAL SERVICE REQUIREMENTS IN GARRISONS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-7-A
 NOMEN: TRAILER, STAKE, CARGO, 5-TON 2-AP-5

CATALOG: TB-381-5-22
 (OLD 2-2320-1-7)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ?

TOWING VEHICLE: --- *1

SUSPENSION:

TYPE-

-FRONT --- SEMIELLIPTIC SPRING W/AUX
 - SPRINGS
 -REAR --- SEMIELLIPTIC SPRING W/AUX
 - SPRINGS

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 8200

-NET W/DOLLY ----- ?

-NET W/O DOLLY --- 3200

PAYLOAD (KG) ----- 5000

AXLELOAD (KG)-

-FRONT LOADED ---- ?

-REAR LOADED ---- ?

WHEELBASE (MM) ----- 2750

ROAD WHEELS (NR) --- 4 FRONT & REAR

TIRE SIZE-

-FRONT ----- 7.00 X 34

-REAR ----- 7.00 X 34

TREAD-C TO C (MM)-

-FRONT ----- 1680

-REAR ----- 1680

LENGTH O/ALL (MM)-

-W/DOLLY ----- 6430

-W/O DOLLY ----- N/A

WIDTH O/ALL (MM) --- 2350

HEIGHT O/ALL (MM) --- 1860

LOADING HGT (MM) --- 1250

LUNETTE HGT (MM) --- 790

FIFTH WHEEL-

-TYPE ----- ?

-SIZE ----- ?

-HEIGHT (MM) ----- ?

LANDING GEAR-TYPE N/A

BRAKES:

SERVICE ---- FITTED ON FRONT WHEELS ONLY

- TYPE 213-5

PARKING ---- ?

CARGO BODY:

TYPE ----- STAKE

MATERIAL --- WOOD AND STEEL

LENGTH (MM)- 4510

WIDTH (MM) - 2130

HEIGHT (MM)-

-W/BOWS -- 2

-W/O BOWS- 600

REMARKS:

1/ THE TOWING VEHICLE IS UNKNOWN, BUT
 THE TOWING APPARATUS IS A SPRING
 W/LUNETTE.

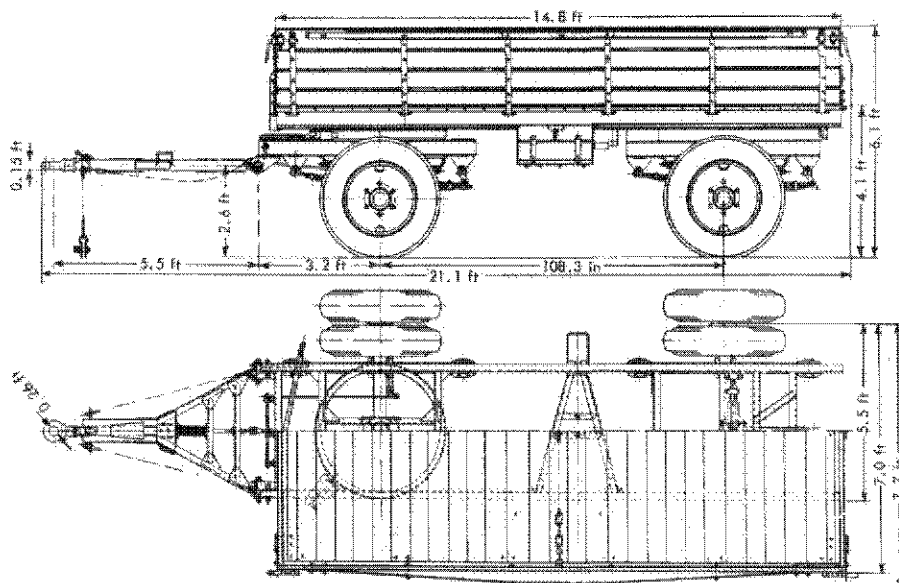
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-7-B
NOMEN: TRAILER, STAKE, CARGO, 5-TON 2-AP-5
PRODUCED/ADOPTED: ?

CATALOG: T8-381-5-22
(OLD 2-2320-1-7)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-7-B

NOMEN: TRAILER, STAKE, CARGO, 5-TON 2-AP-5

PRODUCED/ADOPTED: ?

CATALOG: TB-381-5-22

(OLD 2-2320-1-7)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-25-A

CATALOG: TB-381-5-22

NOMEN: SEMITRAILER, VAN, CARGO, 10 TON, PPI-110A

(OLD 2-2330-1-25)

NATIVE DES: POLUPRITSEP PPI-110A
PRODUCED/ADOPTED: 1959 TO ?/

COUNTRY: U.S.S.R.
DATE UPDATED: 20JUL73

(U)THE PPI-110A IS AN INSULATED SINGLE-AXLE TRAILER FOR TRANSPORTING CARGO REQUIRING CONTROLLED TEMPERATURES. TEMPERATURES WITHIN THE TRAILER ARE MAINTAINED ABOVE FREEZING BY THE QV-65B HEATER OR BY THE HEAT FROM THE TRACTOR ENGINE'S EXHAUST. EXHAUST GASES ARE INTRODUCED TO THE TRAILER THROUGH TUBING AND PASS THROUGH TWO DUCTS LAID ON THE FLOOR, ALONG THE SIDE WALLS, AND ARE VENTED TO THE OUTSIDE THROUGH THE REAR WALL. THE FRAME IS ALL-METAL, AND THE BODY IS LINED ON THE OUTSIDE AND INSIDE WITH WOOD 16.002 MM THICK. THE SPACE BETWEEN THESE LININGS IS INSULATED WITH LAYERS OF ALUMINUM FOIL. THE TRAILER IS PRODUCED BY THE MAGADAN MACHINE PLANT AND IS DESIGNED TO OPERATE AT SPEEDS UP TO 45 KILOMETERS PER HOUR.

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-25-A
 NOMEN: SEMITRAILER, VAN, CARGO, 10 TON, PPI-110A

CATALOG: TB-381-5-22
 (OLD 2-2330-1-25)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: 1959 TO ?/

TOWING VEHICLE: --- MAZ-200V

SUSPENSION:

TYPE-

-FRONT --- N/A

-REAR --- ?

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 17,000

-NET W/DOLLY ----- 7000

-NET W/O DOLLY --- ?

PAYLOAD (KG) ----- 10,000

AXLELOAD (KG)-

-FRONT LOADED ----- 6550

-REAR LOADED ----- 10000

WHEELBASE (MM) ----- 4529

ROAD WHEELS (NR) --- 4

TIRE SIZE-

-FRONT ----- N/A

-REAR ----- 12.00 X 20

TREAD-C TO C (MM)-

-FRONT ----- N/A

-REAR ----- 1920

LENGTH O/ALL (MM)-

-W/DOLLY ----- 8050

-W/O DOLLY ----- ?

WIDTH O/ALL (MM) --- 2694

HEIGHT O/ALL (MM) --- 3424

LOADING HGT (MM) --- 1670

LUNETTE HGT (MM) --- N/A

FIFTH WHEEL-

-TYPE ----- ?

-SIZE ----- ?

-HEIGHT (MM) ----- ?

LANDING GEAR-TYPE 2 PR. ROLLERS HAND-OPERATED ?

BRAKES:

SERVICE ----- ?

PARKING ----- ?

CARGO BODY:

TYPE ----- VAN

MATERIAL --- STEEL AND WOOD

LENGTH (MM)- 7388

WIDTH (MM) - 2356

HEIGHT (MM)-

-W/BOWS -- 1727

-W/O BOWS- N/A

REMARKS:

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-25-B

NOMEN: SEMITRAILER, VAN, CARGO, 10 TON, PPI-110A

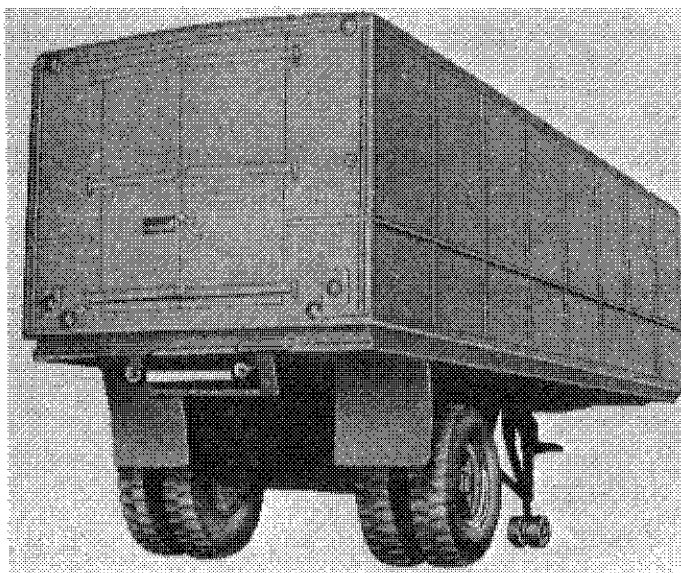
PRODUCED/ADOPTED: 1959 TO 77

CATALOG: TB-381-S-22

(OLD Z-2330-1-25)

COUNTRY: U.S.S.R.

DATE UPDATED: 20JUL73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-1-25-8
NOMEN: SEMITRAILER, VAN, CARGO, 10 TON, PPI-110A

PRODUCED/ADOPTED: 1959 TO ??

CATALOG: TB-381-5-22
(OLD 2-2330-1-25)
COUNTRY: U.S.S.R.
DATE UPDATED: 20JUL73

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DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-27-A

CATALOG: TB-381-5-22

NOMEN: SEMITRAILER, VAN, GARGO, 7-TON ODAZ-784

(OLD 2-2330-1-27)

NATIVE DES: POLUPRITSEP ODAZ-784

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1959-1965/

DATE UPDATED: 30AUG73

(U)THIS SEMITRAILER IS USED TO TRANSPORT CARGO REQUIRING PROTECTION AGAINST THE WEATHER. IT IS USED ONLY ON IMPROVED ROADS AND TRAVELS AT SPEEDS OF UP TO 55 MILLIMETERS PER HOUR. THE BODY IS RECTANGULAR WITH ROUNDED CORNERS. THE REAR CARGO SPACE, WHICH IS 2.749 MILLIMETERS HIGHER THAN THE FORWARD SPACE, IS LINED ON THE OUTSIDE WITH 1.778 MILLIMETERS THICK DURALUMIN AND HAS A BAKELIZED PLYWOOD FLOOR. A STEEL FRAME DOUBLE DOOR IS LOCATED ON THE RIGHT SIDE AND AT THE REAR. TWO PAIRS OF RETRACTABLE ROLLERS WITH MECHANICAL (HAND) OPERATION SUPPORT THE VAN WHEN DISCONNECTED FROM THE TRACTOR. THE ODAZ-784 IS PRODUCED BY THE ODESSA AUTO-ASSEMBLY FACTORY.

DATE CATALOGED: 01NOV65
VOLUME 22, PAGE 907

U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-1-27-A
 NOMEN: SEMITRAILER, VAN, CARGO, 7-TON ODAZ-784

CATALOG: TB-381-S-22
 (GLD 2-2330-1-27)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1959-1965/

TOWING VEHICLE: --- KAZ-606, ZIL-MMZ-164AN

SUSPENSION:

TYPE-

-FRONT --- N/A

-REAR --- SEMIELLIPTIC SPRINGS W/AUX
 - SPRINGS

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS --- 9950

-NET W/DOLLY --- 2950

-NET W/O DOLLY --- ?

PAYLOAD (KG) --- 7000

AXLELOAD (KG)-

-FRONT LOADED --- 4100 ON 5TH WHEEL

-REAR LOADED --- 5850

WHEELBASE (MM) --- 6120

ROAD WHEELS (NR) --- 4

TIRE SIZE-

-FRONT --- N/A

-REAR --- 9.00 X 20

TREAD-C TO C (MM)-

-FRONT --- N/A

-REAR --- 1740

LENGTH O/ALL (MM)-

-W/DOLLY --- 8000

-W/O DOLLY --- ?

WIDTH O/ALL (MM) --- 2570

HEIGHT O/ALL (MM) --- 3300

LOADING HGT (MM) --- 1230

LUNETTE HGT (MM) --- N/A

FIFTH WHEEL-

-TYPE --- ?

-SIZE --- ?

-HEIGHT (MM) --- ?

LANDING GEAR-TYPE 2 PR ROLLERS, HAND-OPERATED

BRAKES:

SERVICE --- PNEUMATIC

PARKING --- MECHANICAL

CARGO BODY:

TYPE --- VAN

MATERIAL --- DURALUMIN AND WOOD

LENGTH (MM) --- 7750

WIDTH (MM) --- 2420

HEIGHT (MM) ---

-W/BOWS --- 2035

-W/O BOWS --- N/A

REMARKS:

DATE CATALOGED: 01NOV65
 VOLUME 22, PAGE 908

U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-1-27-8

NOMEN: SEMITRAILER, VAN, CARGO, 7-TON QDAZ-704

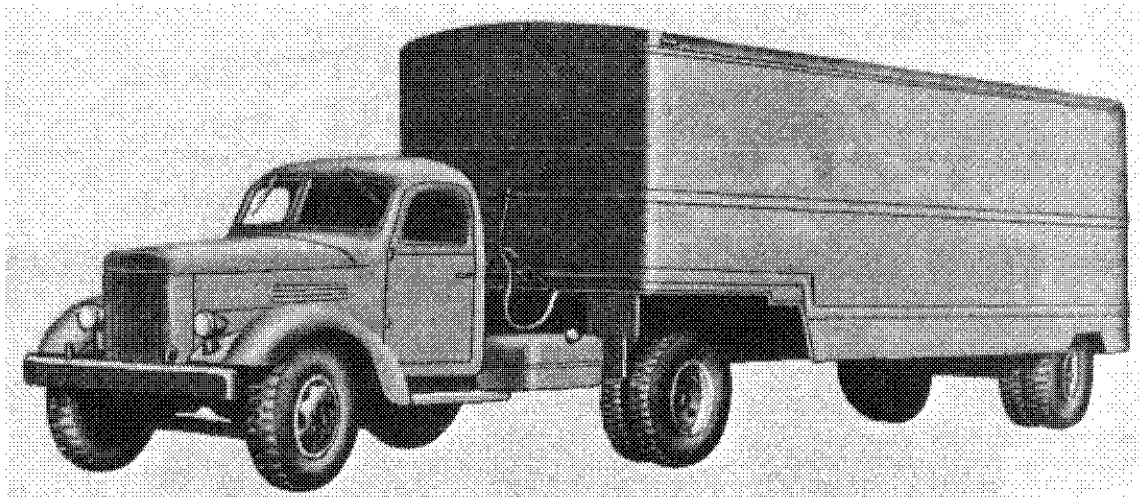
PRODUCED/ADOPTED: 1959-1965/

CATALOG: TB-381-5-22

(OLD 2-2330-1-27)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



DATE CATALOGED: 01NOV65
VOLUME 22, PAGE 909

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-27-B
NOMEN: SEMITRAILER, VAN, GARGO, 7-TON DOAZ-784
PRODUCED/ADOPTED: 1959-1965/

CATALOG: TB-381-5-22
(OLD 2-2330-1-27)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01NOV65
VOLUME 22, PAGE 910

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-28-A

CATALOG: 18-381-5-22

NOMEN: SEMITRAILER, VAN, CARGO, 22 TON, ODAZ-852

(OLD 2-2330-1-28)

NATIVE DES: POLUPRITSEP ODAZ-852

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: PROTOTYPE/

DATE UPDATED: 20JUL73

10}THIS EXPERIMENTAL SEMITRAILER IS DESIGNED FOR TRANSPORTING INDUSTRIAL GOODS THAT REQUIRE PROTECTION AGAINST THE WEATHER. IT IS FOR USE ON SURFACED HIGHWAYS ONLY AND TRAVELS AT SPEEDS UP TO 45 KILOMETERS PER HOUR. THE WALLS AND ROOF OF THE BODY ARE COVERED WITH 1.8-MM-THICK DURALUMIN RIVETED TO THE STEEL BASE. IN THE WALLS ARE STEEL LONGITUDINAL REINFORCING MEMBERS WITH SUPPLEMENTARY STEEL BRACES ON THE UPPER PORTIONS. THE INNER LINING IS PLYWOOD AND THE FLOOR IS 14 MM-THICK BAKELIZED PLYWOOD. THE BODY HAS A DOUBLE DOOR AT THE REAR AND ON THE RIGHT SIDE. WHEELS AND PORTIONS OF THE BRAKING SYSTEM OF THE MAZ-200V TRUCK TRACTOR ARE USED IN THIS TRAILER. THE ODAZ-852 SEMITRAILER PROTOTYPE IS PRODUCED BY THE ODESSA AUTO-ASSEMBLY PLANT.

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-28-A
NOMEN: SEMITRAILER, VAN, CARGO, 22 TON, ODAZ-852

CATALOG: TB-381-5-22
(OLD 2-2330-1-28)
COUNTRY: U.S.S.R.
DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: PROTOTYPE/

TOWING VEHICLE: --- KRAZ-221

SUSPENSION:

TYPE-

-FRONT --- N/A

-REAR ---- BALANCE BEAM W/TWO SEMIELL-
- IPTIC SPRINGS

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 29,000

-NET W/DOLLY ----- 7000

-NET W/O DOLLY --- ?

PAYLOAD (KG) ----- 22000

AXLELOAD (KG)-

-FRONT LOADED ---- 11,600 ON 5TH WHEEL

-REAR LOADED ---- 8660 ON EA REAR AXLE

WHEELBASE (MM) ----- 7605

ROAD WHEELS (NR) --- 8

TIRE SIZE-

-FRONT ----- N/A

-REAR ----- 12.00 X 20

TREAD-C TO C (MM)-

-FRONT ----- N/A

-REAR ----- 1690

LENGTH O/ALL (MM)-

-W/DOLLY ----- 10,100

-W/O DOLLY ----- ?

WIDTH O/ALL (MM) --- 2500

HEIGHT O/ALL (MM) -- 3450

LOADING HGT (MM) --- 1400

LUNETTE HGT (MM) --- N/A

FIFTH WHEEL-

-TYPE ----- ?

-SIZE ----- ?

-HEIGHT (MM) ----- ?

LANDING GEAR-TYPE LANDING GEAR-TYPE 2 PR ROLLERS

BRAKES:

SERVICE ---- PNEUMATIC

PARKING ---- MECHANICAL HAND-OPERATED

CARGO BODY:

TYPE ----- VAN

MATERIAL --- STEEL, DURALUMIN, WOOD

LENGTH (MM)- 9900

WIDTH (MM) - 2990

HEIGHT (MM)-

-W/BOWS -- 2380

-W/O BOWS- N/A

REMARKS:

DATE CATALOGED: 01NOV68
VOLUME 22, PAGE 912

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-28-B

NOMEN: SEMITRAILER, VAN, CARGO, 22 TON, ODAZ-852

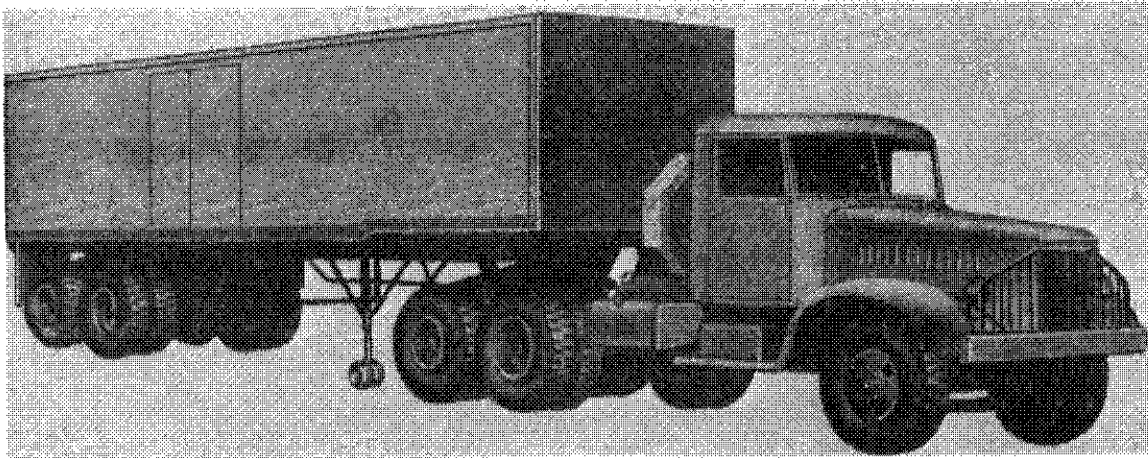
PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22

(OLD 2-2330-1-28)

COUNTRY: U.S.S.R.

DATE UPDATED: 20JUL73



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VOLUME 22, PAGE 913

U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-1-28-B
NOMEN: SEMITRAILER, VAN, CARGO, 22 TON, DDAZ-852

CATALOG: TB-381-5-22
(OLD 2-2330-1-28)
COUNTRY: U.S.S.R.
DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: PROTOTYPE/

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-1-29-A

CATALOG: TB-381-5-22

NOMEN: SEMITRAILER, STAKE, CARGO, 14-TON, MAZ-5245

(OLD 2-2330-1-29)

NATIVE DES: POLUPRITSEP MAZ-5245

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1961 TO ?/

DATE UPDATED: 20JUL73

(U) THIS SEMITRAILER IS USED FOR TRANSPORTING INDUSTRIAL LOADS AND BOXED GOODS. DESIGNED CHIEFLY FOR LONG-DISTANCE HAULING, IT TRAVELS AT SPEEDS UP TO 50 KM PER HOUR. ITS USE BY THE MILITARY SERVICES IS PROBABLY LIMITED TO THE LOGISTIC SUPPORT OF GARRISONS. THE SIDES ARE WOOD LATTICE WITH METAL REINFORCEMENTS AND ARE HINGED AT THE BOTTOM FOR LOWERING TO FACILITATE LOADING AND UNLOADING. IN ADDITION, THE SIDES ARE DIVIDED AND CAN BE DROPPED IN SECTIONS. THE FRAME CONSISTS OF LONGITUDINAL ROLLED-STEEL BEAMS WITH CROSSBEAMS. THE PLATFORM, WHICH IS ATTACHED DIRECTLY TO THE FRAME, IS REMOVABLE. THE MAZ-5245 IS PRODUCED BY THE MINSK AUTO-PLANT. THE MAZ-5245B MODIFICATION IS EQUIPPED WITH A CANOPY.

DATE CATALOGED: 01NOV65
VOLUME 22, PAGE 915

U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2330-2-1-29-A

NOMEN: SEMITRAILER, STAKE, CARGO, 14-TON, MAZ-5245

CATALOG: TB-381-5-22

(OLD 2-2330-1-29)

COUNTRY: U.S.S.R.

DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: 1961 TO ?/

TOWING VEHICLE: --- MAZ-504A; MAZ-200V

SUSPENSION:

TYPE-

-FRONT --- N/A

-REAR ---- SEMIELLIPTIC SPRINGS W/AUX
- SPRINGS

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 17800

-NET W/DOLLY ----- 3800

-NET W/O DOLLY --- ?

PAYLOAD (KG)----- 14000

AXLELOAD (KG)-

-FRONT LOADED ----- 7600 ON 5TH WHEEL

-REAR LOADED ----- 10000

WHEELBASE (MM) ----- 5180

ROAD WHEELS (NR) --- 4

TIRE SIZE-

-FRONT ----- N/A

-REAR ----- 12.00 X 20

TREAD-C TO C (MM)-

-FRONT ----- N/A

-REAR ----- 1920

LENGTH O/ALL (MM)-

-W/DOLLY ----- 8120

-W/O DOLLY ----- ?

WIDTH O/ALL (MM) --- 2500

HEIGHT O/ALL (MM) -- 2325

LOADING HGT (MM) --- 1580

LUNETTE HGT (MM) --- N/A

FIFTH WHEEL-

-TYPE ----- ?

-SIZE ----- ?

-HEIGHT (MM) ----- ?

LANDING GEAR-TYPE 2 PR ROLLERS, HAND OPERATED

BRAKES:

SERVICE ----- PNEUMATIC

PARKING ----- MECHANICAL, HAND OPERATED

CARGO BODY:

TYPE ----- STAKE

MATERIAL --- STEEL AND WOOD

LENGTH (MM)- 7875

WIDTH (MM) - 2322

HEIGHT (MM)-

-W/BOWS -- ?

-W/O BOWS- 740

REMARKS:

DATE CATALOGED: 01NOV65
VOLUME 22, PAGE 916

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-29-8

NOMEN: SEMITRAILER, STAKE, CARGO, 14-TON, MAZ-5245

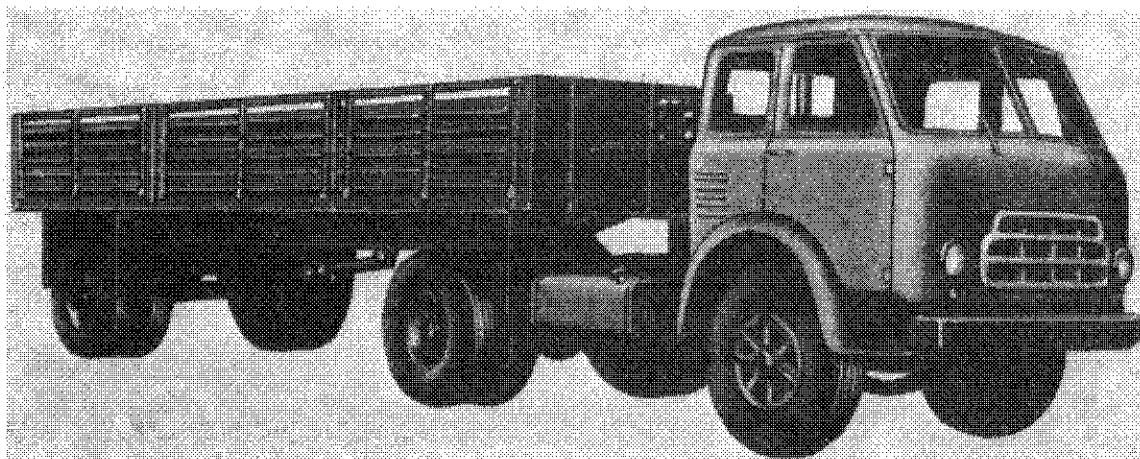
PRODUCED/ADOPTED: 1961 TO 77

CATALOG: TB-381-5-22

(OLD 2-2330-1-29)

COUNTRY: U.S.S.R.

DATE UPDATED: 20JUL73



DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-29-B

NOMEN: SEMITRAILER, STAKE, CARGO, 14-TON, MAZ-5245

PRODUCED/ADOPTED: 1961 TO ??

CATALOG: TB-381-5-22

(OLD 2-2330-1-29)

COUNTRY: U.S.S.R.

DATE UPDATED: 20JUL73

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DATE CATALOGED: 01NOV65
VOLUME 22, PAGE 918

U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-1-30-A

CATALOG: YB-381-5-22

NOMEN: SEMITRAILER, STAKE, CARGO, 12.5 TON MAZ-5245B

(OLD 2-2330-1-30)

NATIVE DES: POLUPRITSEP MAZ-5245B

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1961 TO 77

DATE UPDATED: 30AUG73

(U)THE MAZ-5245B IS USED TO TRANSPORT GENERAL CARGO. IT HAS BOWS COVERED WITH A TARPULIN, AND THE TAILGATE HAS A DEVICE FOR LIFTING LOADS INTO THE BODY. IT TRAVELS AT SPEEDS UP TO 45 KILOMETERS PER HOUR. THE MAZ-5245B IS SIMILAR TO THE MAZ-5245 TRAILER AND IS USED BY THE SOVIET ARMY FOR TRANSPORTING MILITARY SUPPLIES OVER LONG DISTANCES. ALTHOUGH SOVIET SOURCES STATE THAT THIS TRAILER IS DESIGNED FOR OPERATION WITH THEIR MAZ-501V TRUCK TRACTOR, THE TRAILER HAS BEEN OBSERVED BEING HAULED BY THE MORE POWERFUL MAZ-502V TRUCK TRACTOR WHEN EMPLOYED BY THE ARMED FORCES.

DATE CATALOGED: 01NOV65
VOLUME 22, PAGE 919

U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2330-2-1-30-A
 NOMEN: SEMITRAILER, STAKE, CARGO, 12.5 TON MAZ-52458

CATALOG: TB-381-5-22
 (OLD 2-2330-1-30)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1961 TO ??

TOWING VEHICLE: --- MAZ-501V; MAZ-502V

SUSPENSION:

TYPE-

-FRONT --- N/A

-REAR --- SEMIELLIPTIC SPRINGS W/AUX
 - SPRINGS

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 16500

-NET W/DOLLY ----- 4000

-NET W/O DOLLY ---

PAYLOAD (KG) ----- 12500

AXLELOAD (KG)-

-FRONT LOADED --- 7200 ON FIFTH WHEEL

-REAR LOADED --- 9300

WHEELBASE (MM) ----- 5180

ROAD WHEELS (NR) --- 4

TIRE SIZE-

-FRONT ----- N/A

-REAR ----- 12.00 X 20

TREAD-C TO C (MM)-

-FRONT ----- N/A

-REAR ----- 1920

LENGTH O/ALL (MM)-

-W/DOLLY ----- 8120

-W/O DOLLY ----- ?

WIDTH O/ALL (MM) --- 2500

HEIGHT O/ALL (MM) -- 3290

LOADING HGT (MM) --- 1680

LUNETTE HGT (MM) --- N/A

FIFTH WHEEL-

-TYPE ----- ?

-SIZE ----- ?

-HEIGHT (MM) ----- ?

LANDING GEAR-TYPE 2 PR ROLLERS HAND-OPERATED

BRAKES:

SERVICE ----- PNEUMATIC

PARKING ----- MECHANICAL HAND-OPERATED

CARGO BODY:

TYPE ----- STAKE

MATERIAL --- STEEL AND WOOD

LENGTH (MM)- 7875

WIDTH (MM) - 2322

HEIGHT (MM)-

-W/BOWS -- 3290

-W/O BOWS- 740 ? HEIGHT OF SIDES

REMARKS:

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

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FOM-2330-2-1-30-B

NOMEN: SEMITRAILER, STAKE, CARGO, 12.5 TON MAZ-52458

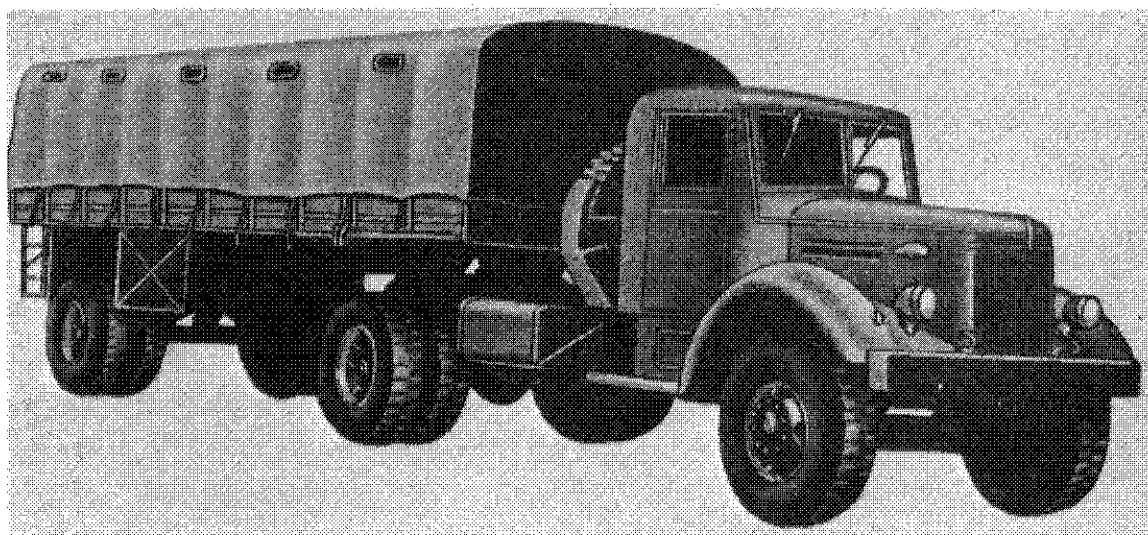
PRODUCED/ADOPTED: 1961 TO ??

CATALOG: TB-381-5-22

IDLD 2-2330-1-301

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-30-8

NOMEN: SEMITRAILER, STAKE, CARGO, 12.5 TON MAZ-52458

PRODUCED/ADOPTED: 1961 TO ?/

CATALOG: TB-381-5-22

(OLD 2-2330-1-30)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-1-31-A

CATALOG: TB-381-5-22

NOMEN: SEMITRAILER, STAKE, CARGO 7-TON, MMZ-584B

(OLD 2-2330-1-31)

NATIVE DES: POLUPRITSEP MMZ-584B

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1961 TO ??

DATE UPDATED: 30AUG73

THE MMZ-584B SEMITRAILER IS USED FOR TRANSPORTING INDUSTRIAL PRODUCTION LOADS AND BOXED GOODS ON SURFACED HIGHWAYS. THE FRAME CONSISTS OF TWO LONGITUDINAL STEEL BEAMS WITH CROSSBEAMS AND SUPPORTS A SHEET-STEEL PLATFORM WELDED DIRECTLY TO THE FRAME. THE HINGED SIDES ARE 610 MM HIGH AND CAN BE LOWERED TO FACILITATE LOADING AND UNLOADING. THE TRAILER IS EQUIPPED WITH RUBBER SPLATTER GUARDS FOR THE REAR WHEELS. IT HAS BEEN PRODUCED BY THE SARANSK DUMP TRUCK FACTORY SINCE 1961. THE MYTISHCHI MACHINE CONSTRUCTION PLANT PRODUCED IT FROM 1956 TO 1961.

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-31-A
 NOMEN: SEMITRAILER, STAKE, CARGO 7-TON, MMZ-5848

CATALOG: TB-381-5-22
 (OLD 2-2330-1-31)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1961 TO ?/

TOWING VEHICLE: --- ZIL-MMZ-164AN,
 - KAZ-606

SUSPENSION:

TYPE-

-FRONT --- N/A

-REAR ---- SEMIELLIPTIC SPRINGS, W/AUX
 - SPRINGS

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 9525

-NET W/DOLLY ----- 2525

-NET W/O DOLLY --- ?

PAYLOAD (KG) ----- 7000

AXLELOAD (KG)-

-FRONT LOADED ---- 3855 ON 5TH WHEEL

-REAR LOADED ---- 5670

WHEELBASE (MM) ----- 4340

ROAD WHEELS (NR) --- 4

TIRE SIZE-

-FRONT ----- N/A

-REAR ----- 9.00 X 20

TREAD-C TO C (MM)-

-FRONT ----- N/A

-REAR ----- 1740

LENGTH O/ALL (MM)-

-W/DOLLY ----- 6300

-W/O DOLLY ----- ?

WIDTH O/ALL (MM) --- 2455

HEIGHT O/ALL (MM) --- 2000

LOADING HGT (MM) --- 1435

LUNETTE HGT (MM) --- N/A

FIFTH WHEEL-

-TYPE ----- ?

-SIZE ----- ?

-HEIGHT (MM) ----- ?

LANDING GEAR-TYPE 2 PR ROLLERS ?

BRAKES:

SERVICE ---- PNEUMATIC

PARKING ---- MECHANICAL, HAND OPERATED

CARGO BODY:

TYPE ----- STAKE

MATERIAL --- STEEL

LENGTH (MM)- 6050

WIDTH (MM) - 2250

HEIGHT (MM)-

-W/BOWS --- ?

-W/O BOWS- 725

REMARKS:

DATE CATALOGED: D1NOV65
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U N C L A S S I F I E D

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FOH-2330-2-1-31-B

NOMEN: SEMITRAILER, STAKE, CARGO 7-TON, MMZ-584B

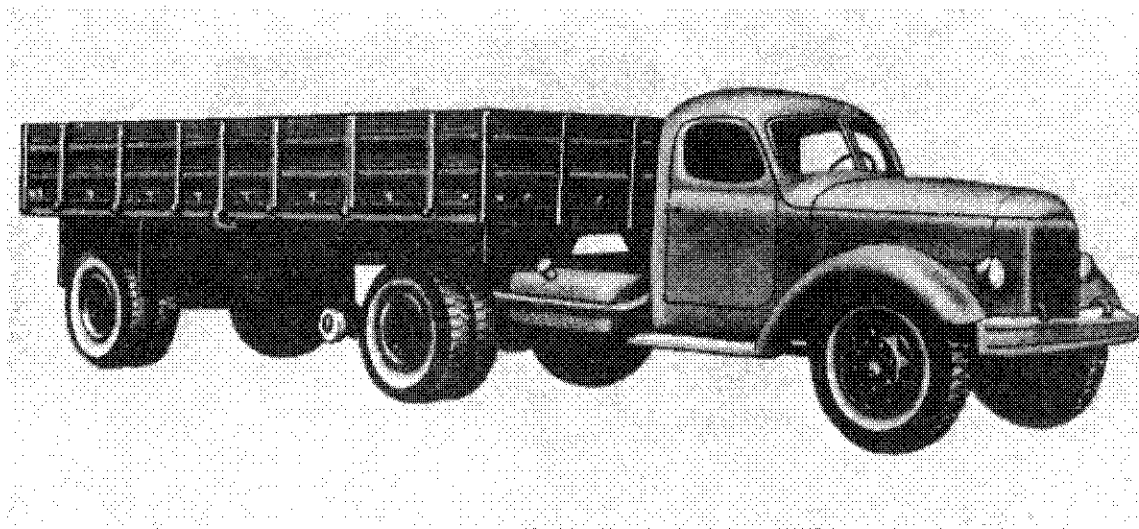
PRODUCED/ADOPTED: 1961 TO 77

CATALOG: TB-381-5-22

TOLD 2-2330-1-31}

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-I-31-B

NOMEN: SEMITRAILER, STAKE, CARGO 7-TON, MMZ-5848

PRODUCED/ADOPTED: 1961 TO ??

CATALOG: T8-381-5-22

(OLD 2-2330-1-31)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-32-A

CATALOG: TB-381-5-22

NOMEN: SEMITRAILER, FLATBED, CARGO, 7.5 TON, MMZ-584V

(OLD 2-2330-1-32)

NATIVE DES: POLUPRITSEP MMZ-584B

COUNTRY: U.S.S.R

PRODUCED/ADOPTED: PROTOTYPE/

DATE UPDATED: 30AUG73

(U)THIS SEMITRAILER IS BASICALLY THE SAME AS TRAILER MMZ-584B, EXCEPT THAT IT HAS ONLY ONE SIDE, 600 MM HIGH, LOCATED AT THE FRONT OF THE PLATFORM. THE PLATFORM HAS PROVISIONS FOR INSTALLING VERTICAL POSTS ALONG ITS EDGE. MILITARY USES WILL BE LIMITED TO HAULING MORTARS, LIGHT ARTILLERY, AND OTHER EQUIPMENT OVER MEDIUM DISTANCES. THE TRAILER IS PRODUCED BY THE MYTISHCHI MACHINE CONSTRUCTION FACTORY.

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-32-A
 NOMEN: SEMITRAILER, FLATBED, CARGO, 7.5 TON, MMZ-584V

CATALOG: TB-381-5-22
 (OLD 2-2330-1-32)
 COUNTRY: U.S.S.R
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: PROTOTYPE/

TOWING VEHICLE: --- ZIL-MMZ-164 AN, KAZ-606

SUSPENSION:

TYPE-

-FRONT --- N/A

-REAR --- SEMIELLIPTIC SPRINGS W/AUX SPRINGS

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 9750

-NET W/DOLLY ----- 2250

-NET W/O DOLLY --- N/A

PAYLOAD (KG) ----- 7500

AXLELOAD (KG)-

-FRONT LOADED ----- 2230 ON FIFTH WHEEL

-REAR LOADED ----- 5740

WHEELBASE (MM) ----- 4340

ROAD WHEELS (NR) --- 4

TIRE SIZE-

-FRONT ----- N/A

-REAR ----- 9.00 X 20

TREAD-C TO C (MM)-

-FRONT ----- N/A

-REAR ----- 1740

LENGTH O/ALL (MM)-

-W/DOLLY ----- 6300

-W/O DOLLY ----- N/A

WIDTH O/ALL (MM) --- 2455

HEIGHT O/ALL (MM) --- 2180

LOADING HGT (MM) --- 1370

LUNETTE HGT (MM) --- N/A

FIFTH WHEEL-

-TYPE ----- ?

-SIZE ----- ?

-HEIGHT (MM) ----- ?

LANDING GEAR-TYPE 2 PR ROLLERS ?

BRAKES:

SERVICE ---- PNEUMATIC

PARKING ---- MECHANICAL HAND-OPERATED

CARGO BODY:

TYPE ----- FLAT BED

MATERIAL --- STEEL

LENGTH (MM)- 6050

WIDTH (MM) - 2250

HEIGHT (MM)-

-W/BOWS --- ?

-W/O BOWS- 600 (FRONT)

REMARKS:

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-32-B

NOMEN: SEMITRAILER, FLATBED, CARGO, 7.5 TON, MMZ-5B4V

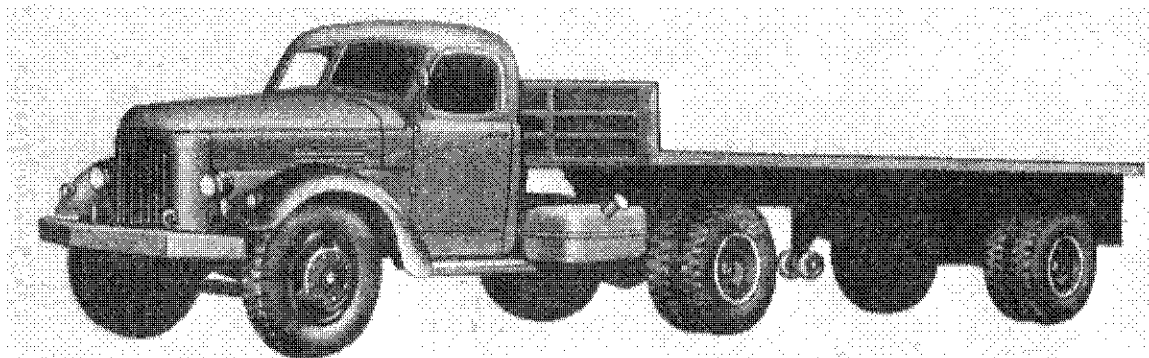
PRODUCEO/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22

(OLD 2-2330-1-32)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

FOM-2330-2-1-32-B

NOMEN: SEMITRAILER, FLATBED, CARGO, 7.5 TON, MMZ-584V

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22

(OLD 2-2330-1-32)

COUNTRY: U.S.S.R

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

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FOM-2330-2-1-33-A

CATALOG: T8-381-5-22

NOMEN: SEMITRAILER, VAN, CARGO, 12 TON, ODAZ-832

ICLD 2-2330-1-331

NATIVE DES: POLUPRITSEP ODAZ-832

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1961 TO ??

DATE UPDATED: 30AUG73

THIS SEMITRAILER IS DESIGNED FOR LONG-DISTANCE HAULING AND TRANSPORTING CARGO REQUIRING PROTECTION AGAINST THE WEATHER. THE SIDES AND ROOF ARE COVERED WITH DURALUMIN, AND THE FLOOR IS BAKELIZED PLYWOOD 14 MM THICK. THE BODY HAS A DOUBLE DOOR ON THE RIGHT SIDE AND AT THE REAR. THE FRAME CONSISTS OF TWO STEEL CHANNEL BEAMS WITH CROSSBEAMS. THE ODAZ-832 IS PRODUCED BY THE ODESSA AUTO-ASSEMBLY FACTORY.

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U N C L A S S I F I E D

FOM-2330-2-1-33-A
NOMEN: SEMITRAILER, VAN, CARGO, 12 TON, ODAZ-832

CATALOG: TB-381-5-22
(OLD 2-2330-1-33)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1961 TO ??

TOWING VEHICLE: --- *1

SUSPENSION:

TYPE-

--FRONT --- N/A

--REAR --- SEMIELLPTIC, SPRINGS W/AUX
-- SPRING

PHYSICAL DATA:

WEIGHT (KG)-

--GROSS --- 16000

--NET W/DOLLY --- 4000

--NET W/O DOLLY --- N/A

PAYLOAD (KG) --- 12000

AXLELOAD (KG)-

--FRONT LOADED --- 6980 ON 5TH WHEEL

--REAR LOADED --- 9020

WHEELBASE (MM) --- 7220

ROAD WHEELS (NR) --- 4

TIRE SIZE-

--FRONT --- N/A

--REAR --- 12.00 X 20

TREAD-C TO C (MM)-

--FRONT --- N/A

--REAR --- 1690

LENGTH O/ALL (MM)-

--W/DOLLY --- N/A

--W/O DOLLY --- 9500

WIDTH O/ALL (MM) --- 2500

HEIGHT O/ALL (MM) --- 3500

LOADING HGT (MM) --- 1380

LUNETTE HGT (MM) --- N/A

FIFTH WHEEL-

--TYPE --- ?

--SIZE --- ?

--HEIGHT (MM) --- ?

LANDING GEAR-TYPE 2 PR-ROLLERS HAND OPERATED

BRAKES:

SERVICE --- PNEUMATIC

PARKING --- MECHANICAL, HAND OPERATED

CARGO BODY:

TYPE --- VAN

MATERIAL --- STEEL, DURALUMIN, WOOD

LENGTH (MM)- 6085

WIDTH (MM) - 2350

HEIGHT (MM)-

--W/BOWS -- 2035

--W/O BOWS- N/A

REMARKS:

1/ THE SEMI-TRAILER HAS A TOWING HOOK ON REAR.
TOWING VEHICLES ARE THE MAZ-200V,
MAZ-501V, AND THE MAZ-502V

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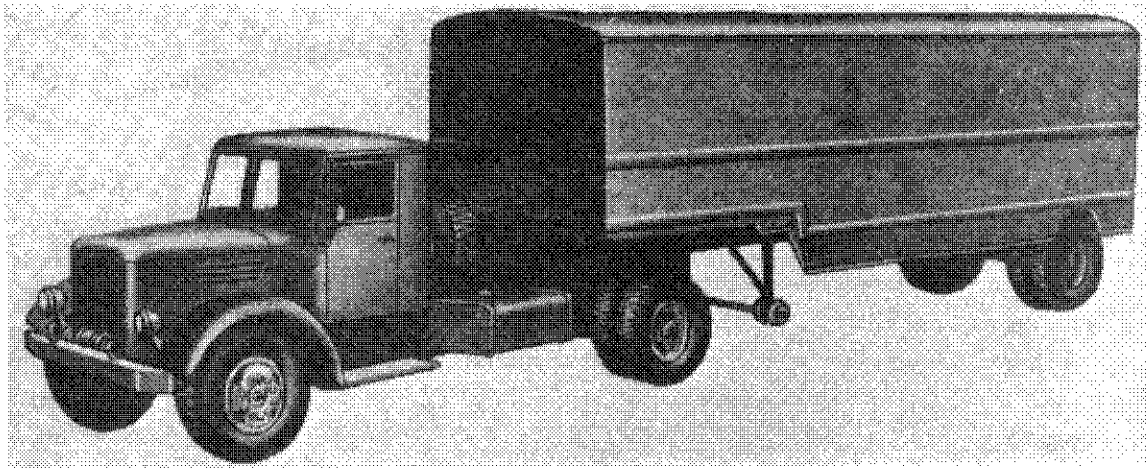
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U N C L A S S I F I E D

FOM-2330-2-1-33-8
NOMEN: SEMITRAILER, VAN, CARGO, 12 TON, DDAZ-B32

CATALOG: TB-381-5-22
(OLD 2-2330-1-33)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1961 TO 77



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-33-B

NOMEN: SEMITRAILER, VAN, CARGO, 12 TON, ODAZ-832

PRODUCED/ADOPTED: 1961 TO ??

CATALOG: TB-381-5-22

(OLD 2-2330-1-33)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

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FORM-2330-2-1-34-A

CATALOG: T8-381-5-22

NOMEN: SEMITRAILER, VAN, CARGO, 1 TON, UAZ-752

IDLD 2-2330-1-34}

NATIVE DES: POLUPRITSEP UAZ-752
PRODUCED/ADOPTED: PROTOTYPE/

COUNTRY: U.S.S.R
DATE UPDATED: 30AUG73

THE UAZ-752 IS DESIGNED FOR TRANSPORTING LIGHT CARGO REQUIRING PROTECTION AGAINST THE WEATHER. ITS MILITARY USE WILL BE LIMITED TO GENERAL SERVICE OPERATION IN GARRISONS. IT IS SUITABLE FOR SURFACED HIGHWAYS ONLY AND TRAVELS AT SPEEDS UP TO 80 KM PER HOUR. THE BODY IS CONSTRUCTED OF STEEL RIBS COVERED WITH CORRUGATED PRESSED STEEL. THE INTERIOR CONTAINS ELECTRICAL LIGHTING AND A VENTILATION HATCH IN THE ROOF. THE FLOOR HAS A STEP AT THE REAR, PROVIDING LOW LOADING HEIGHT. THE BODY CONTAINS TWO DOUBLE DOORS, ONE ON THE RIGHT SIDE, AND THE OTHER AT THE REAR. THE FRAME CONSISTS OF LONGITUDINAL WELDED, STEEL CHANNEL BEAMS. THE SEMITRAILER IS PRODUCED BY THE UL'YANOVSK AUTOMOBILE FACTORY.

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U N C L A S S I F I E D

FORM-2330-2-1-34-A

NOMEN: SEMITRAILER, VAN, CARGO, 1 TON, UAZ-752

PRODUCED/ADOPTED: PROTOTYPE/

TOWING VEHICLE: --- UAZ-452P

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 2250

-NET W/DOLLY ----- 1000

-NET W/O DOLLY --- ?

PAYLOAD (KG) ----- 1250

AXLELOAD (KG)-

-FRONT LOADED ----- 850 ON FIFTH WHEEL

-REAR LOADED ----- 1400

WHEELBASE (MM) ----- 61.7 IN

ROAD WHEELS (NR) --- 2

TIRE SIZE-

-FRONT ----- N/A

-REAR ----- 8.40 X 15

TREAD-C TO C (MM)-

-FRONT ----- N/A

-REAR ----- 1436

LENGTH O/ALL (MM)-

-W/DOLLY ----- 3810

-W/O DOLLY ----- ?

WIDTH O/ALL (MM) --- 1920

HEIGHT O/ALL (MM) -- 2380

LOADING HGT (MM) --- 550

LUNETTE HGT (MM) --- N/A

FIFTH WHEEL-

-TYPE ----- ?

-SIZE ----- ?

-HEIGHT (MM) ----- ?

LANDING GEAR-TYPE 2 PR ROLLERS HAND-OPERATED

SUSPENSION:

TYPE-

-FRONT --- N/A

-REAR --- TORSION BAR

BRAKES:

SERVICE --- HYDRAULIC

PARKING --- MECHANICAL HAND-OPERATED

CARGO BODY:

TYPE ----- VAN

MATERIAL --- STEEL

LENGTH (MM) - 3650

WIDTH (MM) - 1826

HEIGHT (MM)-

-W/BOWS -- 1830

-W/O BOWS- N/A

CATALOG: T8-381-5-22

(OLD 2-2330-1-34)

COUNTRY: U.S.S.R

DATE UPDATED: 30AUG73

REMARKS:

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U N C L A S S I F I E D

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FDM-2330-2-1-34-8

NOMEN: SEMITRAILER, VAN, CARGO, 1 TON, UAZ-752

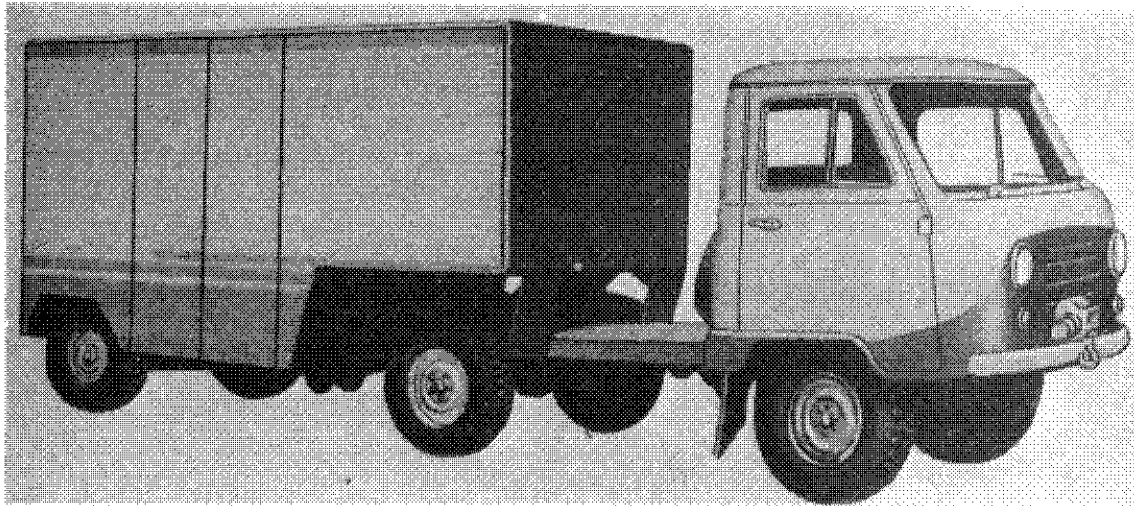
PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-6-22

IGLO 2-2330-1-341

COUNTRY: U.S.S.R

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-34-B

NOMEN: SEMITRAILER, VAN, CARGO, 1 TON, UAZ-752

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: T8-381-5-22

(OLD 2-2330-1-34)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

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FOM-2330-2-1-38-A

CATALOG: TB-381-5-22

NOMEN: SEMITRAILER, VAN, CARGO, 4 TON, PAZ-744

(OLD 2-2330-1-38)

NATIVE DES: POLUPRITSEP PAZ-744

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1957-DATE/

DATE UPDATED: 30AUG73

(U)THIS SEMITRAILER VAN, USED WITH THE TRUCK, TRACTOR, 4 X 2 GAZ-51P (FOM-2320-2-5-12) HAS AN ALL-METAL UNITIZED BODY. FOR LOADING OR UNLOADING THERE ARE TWO DOUBLE-WING DOORS, ONE AT THE REAR AND ONE AT THE RIGHT SIDE. THE DOORS ARE EQUIPPED WITH EXTERNAL BAR LOCKS AND EXPOSED STAMPED HINGES. INSIDE THE BODY, TWO CEILING LIGHTS ARE INSTALLED. THE BRAKE SYSTEM OF THE TRACTOR-TRAILER COMBINATION IS TWIN CIRCUIT HYDRAULIC ACTIVATED BY CONTROLS IN THE CAB OF THE PRIME MOVER.

(U)THE SEMITRAILER IS MANUFACTURED BY THE PAVOLSKIY AVTOMOBIL'NY ZAVOD.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-38-A

NOMEN: SEMITRAILER, VAN, CARGO, 4 TON, PAZ-744

PRODUCED/ADOPTED: 1957-DATE/

CATALOG: T8-381-5-22
 (OLD 2-2330-1-38)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

TOWING VEHICLE: --- TRUCK, TRACTOR, 4 X 2, GAZ-51P SUSPENSION:

- FOM NR 2320-2-5-12

TYPE-

-FRONT --- N/A

-REAR --- SEMIELLIPTIC SPRINGS

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 5850 ON HWY

-NET W/DOLLY ----- N/A

-NET W/O DOLLY ----- 1850

PAYLOAD (KG) ----- 4000

AXLELOAD (KG)-

-FRONT LOADED ----- *1

-REAR LOADED ----- 3350 ON HWY;

WHEELBASE (MM) ----- N/A

ROAD WHEELS (NR) ----- 4

TIRE SIZE-

-FRONT ----- N/A

-REAR ----- 7.50 X 20

TREAD-C TO C (MM)-

-FRONT ----- N/A

-REAR ----- 1650

LENGTH O/ALL (MM)-

-W/DOLLY ----- 5240

-W/O DOLLY ----- ?

WIDTH O/ALL (MM) --- 2260

HEIGHT O/ALL (MM) --- 1710

LOADING HGT (MM) --- 840

LUNETTE HGT (MM) --- N/A

FIFTH WHEEL-

-TYPE ----- ?

-SIZE ----- ?

-HEIGHT (MM) ----- 1130

LANDING GEAR-TYPE 2 PR HAND OPERATED ROLLERS

BRAKES:

SERVICE ----- HYDRAULIC

PARKING ----- MECHANICAL, HAND OPERATED

CARGO BODY:

TYPE ----- VAN

MATERIAL --- ALL METAL, UNITIZED

LENGTH (MM) - 5100

WIDTH (MM) - 2110

HEIGHT (MM) -

-W/BOWS -- ?

-W/O BOWS- 1400 FORWARD, 1650 REAR

REMARKS:

1/ VERTICAL THRUST ON 5TH WHEEL 2500

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U N C L A S S I F I E D

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FOM-2330-2-1-38-8

NOMEN: SEMITRAILER, VAN, CARGO, 4 TON, PAZ-744

PRODUCED/ADOPTED: 1957-DATE/

CATALOG: TB-381-5-22

(OLD 2-2330-1-38)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

NO PICTURE AVAILABLE

DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-1-38-8

NOMEN: SEMITRAILER, VAN, CARGO, 4 TON, PAZ-744

PRODUCED/ADOPTED: 1957-DATE/

CATALOG: T8-381-5-22

(OLD 2-2330-1-38)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

FOM-2330-2-2-8-A

U N C L A S S I F I E D

CATALOG: TB-361-5-22

NOMEN: SEMITRAILER/FULL TRAILER COMB., LOW-BED, 20TON, T-101

(OLD 2-2330-2-8)

NATIVE DES: POLUPRITSEP-PRITSEP T-101

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 77

DATE UPDATED: 30AUG73

(U) THIS COMBINATION TRAILER IS DESIGNED FOR LONG-DISTANCE HAULING OF HEAVY INDIVISIBLE LOADS, SUCH AS CONSTRUCTION AND ROADBUILDING EQUIPMENT. IT IS DESIGNED AS A COMBINATION FULL TRAILER AND SEMI-TRAILER, TO BE USED AS A FULL TRAILER WITH THE KRAZ-214 OR AS A SEMITRAILER WITH THE KRAZ-221 TRUCK TRACTOR. ORIGINALLY, IT WAS DESIGNED TO OPERATE WITH THE NOW OBSOLESCE YAAZ-200 AND THE YAAZ-2100 TRUCK TRACTORS.

(U) THE LOAD PLATFORM IS POSITIONED ON THE TRAILER SO THAT 65 PERCENT OF THE LOAD'S WEIGHT IS ON THE TWO-AXLE DUAL REAR WHEELS. A 3-TON-CAPACITY, HAND-OPERATED WINCH PULLS THE LOAD UP THE REAR RAMPS AND ONTO THE REAR PLATFORM. THE SEMITRAILER IS PRODUCED BY THE DORASHINA FACTORY LOCATED IN SHCHERBAKOV.

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U N C L A S S I F I E D

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FOM-2330-2-2-8-A

NOMEN: SEMITRAILER/FULL TRAILER COMB., LOW-BED, 20TON, T-101

CATALOG: TB-301-5-22
 (GLO 2-2330-2-8)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ?/

TOWING VEHICLE: --- YAAZ-200 W/FULLTRAILER;
 - YAAZ-210D W/SEMITRAILER
 -

SUSPENSION:

TYPE-

-FRONT --- SEMIELLIPTIC SPRINGS W/AUX
 - SPRINGS
 -REAR ---- TORISON BAR
 -

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- *1
 -NET W/DOLLY ----- 13200
 -NET W/O DOLLY --- 10100
 PAYLOAD (KG) ----- 20000

AXLELOAD (KG)-

-FRONT LOADED ---- 12,700 W/DOLLY
 -REAR LOADED ---- 10,160 LB ON EACH REAR AXLE

WHEELBASE (MM) ----- 8800

ROAD WHEELS (NR) --- 2 FRONT; 8 REAR

TIRE SIZE-

-FRONT ----- 12.00 X 20
 -REAR ----- 12.00 X 20

TREAD-C TO C (MM)-

-FRONT ----- 1920
 -REAR ----- 1550

LENGTH O/ALL (MM)-

-W/DOLLY ----- 12590
 -W/O DOLLY ----- 10910

WIDTH O/ALL (MM) --- 2710

HEIGHT O/ALL (MM) --- 1710

LOADING HGT (MM) --- 430

LUNETTE HGT (MM) --- ?

FIFTH WHEEL-

-TYPE ----- ?
 -SIZE ----- ?

-HEIGHT (MM) ----- ?
 LANDING GEAR-TYPE ?

BRAKES:

SERVICE ---- PNEUMATIC, ALL WHEELS

PARKING ---- MECHANICAL, REAR WHEELS

CARGO BODY:

TYPE ----- LOW-BED

MATERIAL --- STEEL

LENGTH (MM)- 4140

WIDTH (MM) - 2710

HEIGHT (MM)-

-W/BOWS -- N/A

-W/O BOWS- N/A

REMARKS:

1/ 33100 KG W/DOLLY

30000 KG W/O DOLLY

GROUND CLEARANCE: 430 MM

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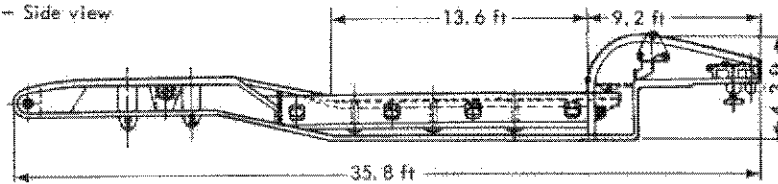
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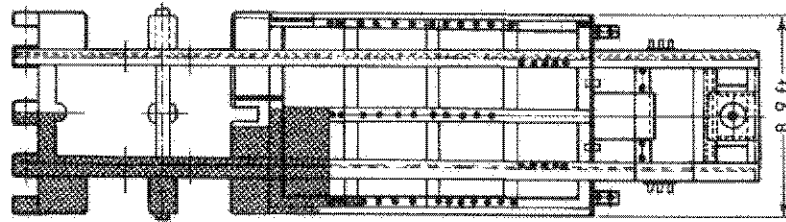
FOM-2330-2-2-8-8
NOMEN: SEMITRAILER/FULL TRAILER COMB., LOW-BED, 20TON, T-101
PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22
(OLD 2-2330-2-8)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

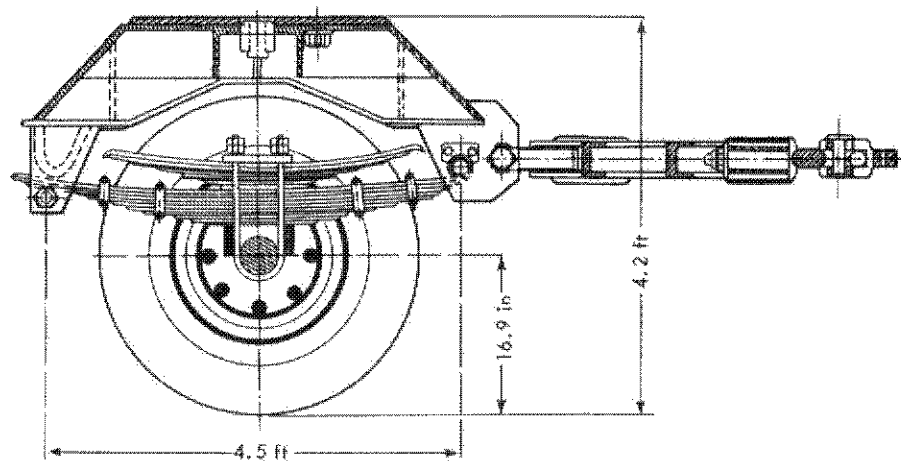
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Frame - Top View



Dolly cross-section



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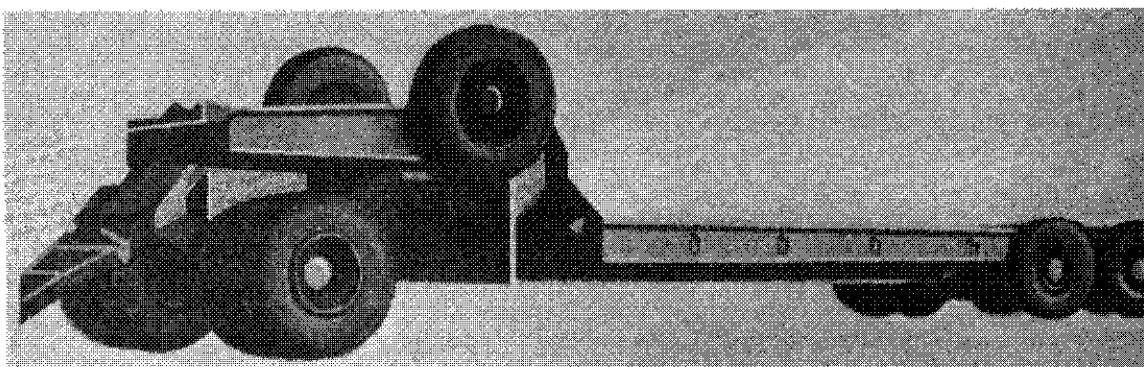
U N C L A S S I F I E D

FORM-2330-2-2-8-8

NOMEN: SEMITRAILER/FULL TRAILER COMB., LOW-BED, 20TON, T-101

PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22
(OLD 2-2330-2-8)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

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FGM-2330-2-2-9-A

CATALOG: TB-381-5-22

NOMEN: SEMITRAILER/FULL TRAILER COMBINATION LOW-BED, 20 T-151A

(OLD 2-2330-2-9)

NATIVE DES: POLUPRITSEP-PRITSEP 151A

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1955-77

DATE UPDATED: 30AUG73

(U) THIS TWO-AXLE FULL TRAILER AND SEMITRAILER COMBINATION IS INTENDED FOR TRANSPORTING HEAVY ENGINEERING EQUIPMENT (CONSTRUCTION AND ROADBUILDING MACHINERY). THE FRAME IS OF ROLLED STEEL BEAMS AND SUPPORTS A PLATFORM OF WOOD APPROXIMATELY 50 MM THICK. THE 3-TON-CAPACITY, HAND-OPERATED WINCH CAN DRAW LOADS UP THE REAR RAMPS ONTO THE PLATFORM.

(U) THE TRAILER IS DESIGNED TO OPERATE WITH THE KRAZ-219 AS A FULL TRAILER AND TRAVELS AT SPEEDS UP TO 22 MILES PER HOUR. AS A SEMITRAILER IT PROBABLY OPERATES WITH THE KRAZ-221 TRUCK TRACTOR. NEITHER TRUCK IS INTENDED FOR CROSS-COUNTRY OPERATION, AND IT MUST THEREFORE BE ASSUMED THAT THE ASSOCIATED TRAILER IS USED ON SURFACED HIGHWAYS ONLY. THE TRAILER IS PRODUCED BY THE NIKOLAYEV PLANT "DORMASHINA."

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FOM-2330-2-2-9-A

NOMEN: SEMITRAILER/FULL TRAILER COMBINATION LOW-BED, 20 T-151A

PRODUCED/ADOPTED: 1955-77

CATALOG: T8-381-5-22
 (OLD 2-2330-2-9)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

TOWING VEHICLE: --- KRAZ-219 W/FULL TRAILER
 --- KRAZ-2217 W/SEMITRAILER

SUSPENSION:

TYPE-

---FRONT --- SEMIELLIPTIC SPRINGS W/AUX
 --- SPRINGS
 ---REAR --- TORSION BAR

PHYSICAL DATA:

WEIGHT (KG)-

---GROSS --- 27,990

---NET W/DOLLY --- 7980

---NET W/O DOLLY --- 6440

PAYLOAD (KG) --- 20,000

AXLELOAD (KG)-

---FRONT LOADED --- 9900 W/DOLLY

---REAR LOADED --- 18,100

WHEELBASE (MM) --- 7600

ROAD WHEELS (NR) --- 4 FRONT 8 REAR

TIRE SIZE-

---FRONT --- 12.00 X 20

---REAR --- 8.25 X 15

TREAD-C TO C (MM)-

---FRONT --- 1920

---REAR --- 2240

LENGTH O/ALL (MM)-

---W/DOLLY --- 10510

---W/O DOLLY --- 8230

WIDTH O/ALL (MM) --- 2710

HEIGHT O/ALL (MM) --- 1950

LOADING HGT (MM) --- 790

LUNETTE HGT (MM) --- 609

FIFTH WHEEL-

---TYPE --- DISK

---SIZE --- ?

---HEIGHT (MM) --- ?

LANDING GEAR-TYPE 7

BRAKES:

SERVICE --- PNEUMATIC ALL WHEELS

PARKING --- MECHANICAL REAR WHEELS

CARGO BODY:

TYPE --- LOW BED

MATERIAL --- STEEL AND WOOD

LENGTH (MM) --- 5000

WIDTH (MM) --- 2710

HEIGHT (MM) ---

---W/BOWS --- N/A

---W/O BOWS --- N/A

REMARKS:

GROUND CLEARANCE: 250 MM

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FOM-2330-2-2-9-8

NOMEN: SEMITRAILER/FULL TRAILER COMBINATION LOW-BED, 20 T-151A

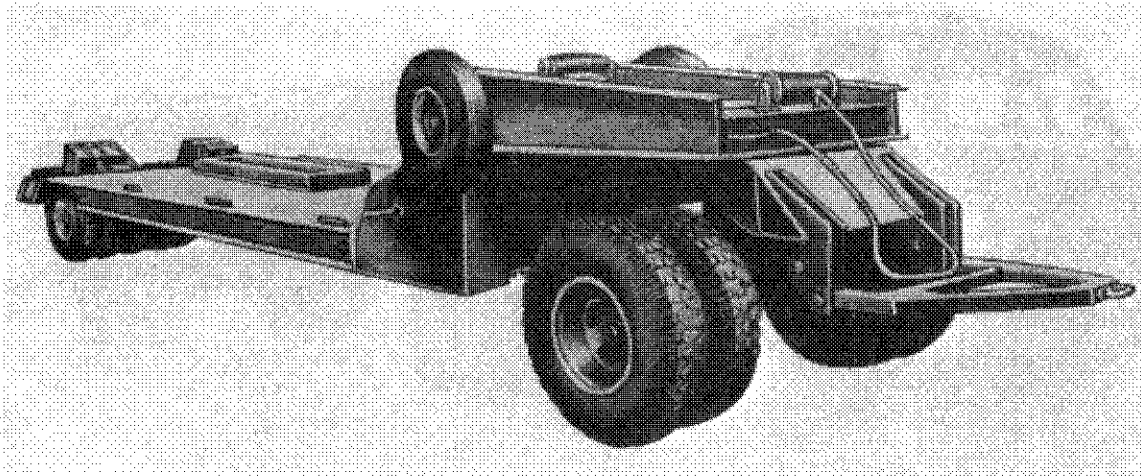
PRODUCED/ADOPTED: 1955-77

CATALOG: TB-381-5-22

(OLD 2-2330-2-9)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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FOM-2330-2-2-9-B

NOMEN: SEMITRAILER/FULL TRAILER COMBINATION LOW-BED, 20 T-151A

PRODUCED/ADOPTED: 1955-27

CATALOG: T8-381-5-22

(OLD 2-2330-2-9)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

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FOM-2330-2-2-10-A

CATALOG: TB-381-5-22

NOMEN: SEMITRAILER/FULL TRAILER COMBINATION LOW BED, ZPT-40-206

(ULD 2-2330-2-10)

NATIVE DES: POLUPRITSEP-PRITSEP ZPT-40-206

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1959 TO DATE

DATE UPDATED: 06AUG73

(U)THE TRAILER COMBINATION IS DESIGNED FOR TRANSPORTING MACHINERY AND OTHER HEAVY ITEMS. THE TRAILER IS EQUIPPED WITH A 7.5-TON-CAPACITY, HAND-OPERATED WINCH TO DRAW LOADS UP THE REAR RAMPS ONTO ITS PLATFORM.

(U)THE FRAME HAS TWO CENTER AND TWO LATERAL STEEL BEAMS RIGIDLY CONNECTED WITH CROSSBEAMS AND SUPPORTS A SHEET-STEEL PLATFORM 7.87 MILLIMETERS THICK. TWO JACKS INSTALLED IN FRONT OF THE TRAILER FACILITATE UNLOADING BY TILTING THE PLATFORM TOWARD THE REAR.

(U)WHEN FULLY LOADED AND OPERATED AS A FULL TRAILER, IT CAN BE TOWED ONLY BY THE KRAZ-214. AS A SEMITRAILER IT MUST BE OPERATED WITH LESS THAN ITS RATED PAYLOAD BECAUSE NONE OF THE TRUCK TRACTORS CURRENTLY IN PRODUCTION HAS THE REQUIRED CAPACITY. THE MAXIMUM SPEED OF OPERATION IS 20.1 KM PER HOUR. IT IS PRODUCED BY THE SEVERODVINSKIY MECHANICAL PLANT NR. 8.

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-10-A

NOMEN: SEMITRAILER/FULL TRAILER COMBINATION LOW BED, ZPT-40-206

CATALOG: TB-381-S-22
 (OLD 2-2330-2-10)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 06AUG73

PRODUCED/ADOPTED: 1959 TO DATE

TOWING VEHICLE: --- KRAZ-214

SUSPENSION:

TYPE-

-FRONT --- TORSION BAR

-REAR --- TORSION BAR

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 53,600

-NET W/DOLLY ----- 12,550

-NET W/O DOLLY --- 10,350

PAYLOAD (KG) ----- 41,050

AXLELOAD (KG)-

-FRONT LOADED ---- 14,400 W/DOLLY

-REAR LOADED ---- 19,600 ON EA REAR AXLE

WHEELBASE (MM) ----- 6,050

ROAD WHEELS (NR) --- 8 FRONT 16 REAR

TIRE SIZE-

-FRONT ----- 8.25 X 15

-REAR ----- 8.25 X 15

TREAD-C TO C (MM)-

-FRONT ----- 2550

-REAR ----- 2550

LENGTH O/ALL (MM)-

-W/DOLLY ----- 10505

-W/O DOLLY ----- 8850

WIDTH O/ALL (MM) --- 3000

HEIGHT O/ALL (MM) --- 2123

LOADING HGT (MM) --- 978

LUNETTE HGT (MM) --- 852

FIFTH WHEEL-

-TYPE ----- ?

-SIZE ----- ?

-HEIGHT (MM) ----- ?

LANDING GEAR-TYPE TWO JACKS

BRAKES:

SERVICE ---- PNEUMATIC

PARKING ---- MECHANICAL

CARGO BODY:

TYPE ----- LOW BED

MATERIAL --- STEEL

LENGTH (MM)--- 3800

WIDTH (MM) --- 3000

HEIGHT (MM)-

-W/BOWS --- N/A

-W/O BOWS- N/A

REMARKS:

DATE CATALOGED: 01NOV65
 VOLUME 22, PAGE 952

U N C L A S S I F I E D

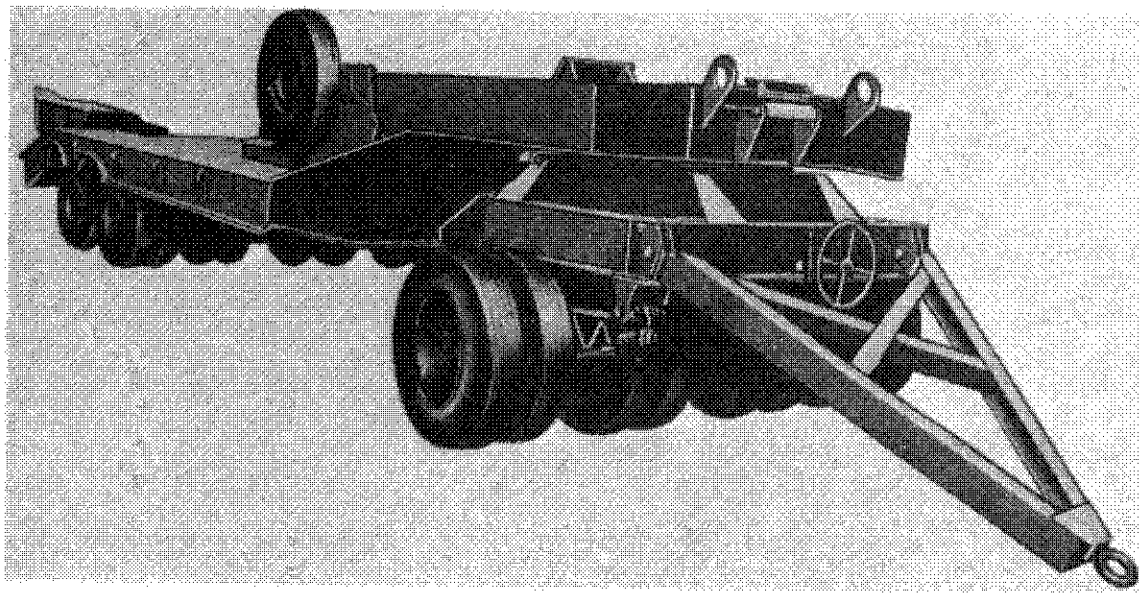
U N C L A S S I F I E D

FOM-2330-2-2-10-B

NOMEN: SEMITRAILER/FULL TRAILER COMBINATION LOW BED, ZPT-40-206

PRODUCED/ADOPTED: 1959 TO DATE

CATALOG: TR-381-5-22
(OLD 2-2330-2-10)
COUNTRY: U.S.S.R.
DATE UPDATED: 06AUG73



DATE CATALOGED: 01NOV65
VOLUME 22, PAGE 953

U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-2-10-8

NOMEN: SEMITRAILER/FULL TRAILER COMBINATION LOW BED, ZPT-40-206

PRODUCED/ADOPTED: 1959 TO DATE

CATALOG: TB-381-5-22
(OLD 2-2330-2-10)
COUNTRY: U.S.S.R.
DATE UPDATED: 06AUG73

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DATE CATALOGED: 01NOV85
VOLUME 22, PAGE 954

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-11-A

CATALOG: TB-381-5-22

NOMEN: SEMI/FULL TRAILER COMB., LOW-BED, 20 TON, CHMZAP-5203V

(OLD 2-2320-2-11)

NATIVE DES: POLUPRITSEP-PRITSEP CHMZAP-5203V
PRODUCED/ADOPTED: 1959-??

COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

(U)THIS COMBINATION TRAILER IS USED FOR TRANSPORTING HEAVY INDIVISIBLE LOADS AT SPEEDS UP TO 31 MILES PER HOUR ON HARD-SURFACED ROADS. THE FRAME IS OF ROLLED STEEL BEAMS AND THE PLATFORM IS OF WELDED SHEET STEEL. BESIDES ITS REAR LOADING RAMPS, THE PLATFORM IS SLOPED AT THE REAR TO FACILITATE LOADING AND UNLOADING. AUXILIARY EQUIPMENT INCLUDES A LOADING WINCH AND TIE-DOWN RINGS.

(U)THIS TRAILER, OR ONE WITH SIMILAR CONSTRUCTION FEATURES, WAS OBSERVED AT THE MOSCOW PARADE ON 7 NOVEMBER 1962, CARRYING THE NAVY MISSILE SARK. IT WAS USED AS A FULL TRAILER, AND ITS PRIME MOVER WAS THE AT-T ARTILLERY TRACTOR.

(U)APPARENTLY IT CAN CARRY A VARIETY OF SELF-PROPELLED, TRACKED COMBAT VEHICLES, SUCH AS THE ASU-57 AND SU-76 ASSAULT GUNS, THE AT-T HEAVY ARTILLERY TRACTOR, AS WELL AS VARIOUS ITEMS OF MISSILE SUPPORT AND ENGINEERING EQUIPMENT.

(U)THE TRAILER IS PRODUCED BY THE CHELYABINSK CONSTRUCTION PLANT FOR TRUCK AND TRACTOR TRAILERS.

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-11-A

NOMEN: SEMI/FULL TRAILER COMB., LOW-BED, 20 TON, CHMZAP-5203V

PRODUCED/ADOPTED: 1959-??

CATALOG: TB-381-5-22
 (OLD 2-2320-2-11)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

TOWING VEHICLE: --- KRAZ-219 W/FULL TRAILER
 - KRAZ-221 W/SEMITRAILER
 -

SUSPENSION:
 TYPE-

-FRONT --- SEMIELLIPTIC SPRINGS, W/AUX
 - SPRINGS
 -REAR --- SEMIELLIPTIC SPRINGS, W/AUX
 - SPRINGS

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 30,030 W/DOLLY

-NET W/DOLLY ----- 10,000

-NET W/O DOLLY ----- 8,230

PAYLOAD (KG) ----- 20,000

AXLELOAD (KG)-

-FRONT LOADED ----- 9,960 W/DOLLY

-REAR LOADED ----- 10,030 ON EACH REAR AXLE

WHEELBASE (MM) ----- 7540

ROAD WHEELS (NR) --- 4 FRONT, 8 REAR

TIRE SIZE-

-FRONT ----- 12.00 X 20

-REAR ----- 12.00 X 20

TREAD-C TO C (MM)-

-FRONT ----- 1920

-REAR ----- 1920

LENGTH O/ALL (MM)-

-W/DOLLY ----- 12950

-W/O DOLLY ----- 10850

WIDTH O/ALL (MM) --- 2990

HEIGHT O/ALL (MM) --- 2010

LOADING HGT (MM) --- 1340

LUNETTE HGT (MM) --- 790

FIFTH WHEEL-

-TYPE ----- ?

-SIZE ----- ?

-HEIGHT (MM) ----- ?

LANDING GEAR-TYPE *1

BRAKES:

SERVICE ---- PNEUMATIC, ALL WHEELS

PARKING ---- MECHANICAL ON REAR WHEEL

CARGO BODY:

TYPE ----- LOW-BED

MATERIAL --- STEEL

LENGTH (MM) - 6550

WIDTH (MM) - 2990

HEIGHT (MM) -

-W/BOWS --- N/A

-W/O BOWS --- N/A

REMARKS:

1/ 2 PK LIFTING ROLLERS, OPERATED BY HAND
 CRANK.

GROUND CLEARANCE: 280 MM

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

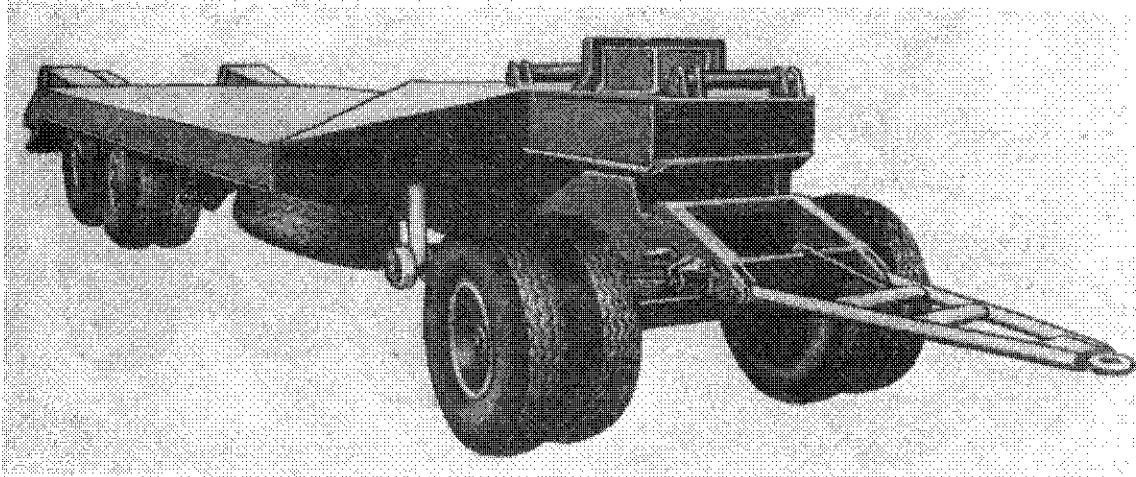
U N C L A S S I F I E D

FORM-2330-2-2-11-B

NOMEN: SEMI/FULL TRAILER COMB., LOW-BED, 20 TON, CHMZAP-5203V

PRODUCED/ADOPTED: 1959-??

CATALOG: TB-381-5-22
(OLO 2-2320-2-111)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2320-2-2-11-B

NOMEN: SEMI/FULL TRAILER COMB., LOW-BED, 20 TON, CHMZAP-5203V

PRODUCED/ADOPTED: 1959-??

CATALOG: TB-381-5-22

(OLD 2-2320-2-11)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-12-A

CATALOG: T8-361-5-22

NOMEN: TRAILER, FLAT BED, 40-TON CHMZAP-5208

(OLD 2-2330-2-12)

NATIVE DES: PRITSEP CHMZAP-5208

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1957-77

DATE UPDATED: 30AUG73

(U)THIS 3-AXLE TRAILER IS DESIGNED FOR TRANSPORTING HEAVY INDIVISIBLE LOADS. IT IS PROBABLY THE SAME TRAILER AS THE MAZ-5208 FORMERLY PRODUCED BY THE MINSK AUTOMOTIVE PLANT AND OBSERVED WITH A VARIETY OF MILITARY LOADS INCLUDING T-54 TANKS.

(U)IT IS SUITABLE FOR OPERATING ONLY ON HARD-SURFACED ROADS AND CAN TRAVEL AT SPEEDS UP TO 40 KM PER HOUR. THE FRAME IS FABRICATED OF ROLLED STEEL BEAMS AND THE PLATFORM IS OF WELDED SHEET STEEL. AUXILIARY EQUIPMENT INCLUDES REAR-LOADING RAMPS AND TIE-DOWN RINGS. THE TRAILER IS BEING PRODUCED BY THE CHELYABINSK MACHINE CONSTRUCTION PLANT FOR TRUCK AND TRACTOR TRAILERS.

DATE CATALOGED: Q1NDV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-12-A

NOMEN: TRAILER, FLAT BED, 40-TON CHMZAP-5208

PRODUCED/ADOPTED: 1957-7/

TOWING VEHICLE: --- KRAZ-214

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 51,780

-NET W/DOLLY ----- 11,770

-NET W/O DOLLY ---

PAYLOAD (KG) ----- 40,000

AXLELOAD (KG)-

-FRONT LOADED ----- 18,750

-REAR LOADED ----- 16,510 ON EACH AXLE

WHEELBASE (MM) ----- 4750

ROAD WHEELS (NR) --- 8 FRONT; 16 REAR

TIRE SIZE-

-FRONT ----- 8.25 X 20

-REAR ----- 8.25 X 20

TREAD-C TO C (MM)-

-FRONT ----- 2410

-REAR ----- 2410

LENGTH O/ALL (MM)-

-W/DOLLY ----- 9330

-W/O DOLLY ----- 7470

WIDTH O/ALL (MM) --- 3200

HEIGHT O/ALL (MM) --- 1740

LOADING HGT (MM) --- 1130

LUNETTE HGT (MM) --- 900

FIFTH WHEEL-

-TYPE ----- N/A

-SIZE ----- N/A

-HEIGHT (MM) ----- N/A

LANDING GEAR-TYPE N/A

SUSPENSION:

TYPE-

-FRONT --- TORISON BAR

-REAR --- TORISON BAR

BRAKES:

SERVICE --- PNEUMATIC

PARKING --- HYDRAULIC

CARGO BODY:

TYPE ----- FLATBED

MATERIAL --- STEEL

LENGTH (MM)- 4880

WIDTH (MM) - 3200

HEIGHT (MM)-

-W/BOWS -- N/A

-W/O BOWS- N/A

REMARKS:

GROUND CLEARANCE: 295 MM

DATE CATALOGED: 01NOV65

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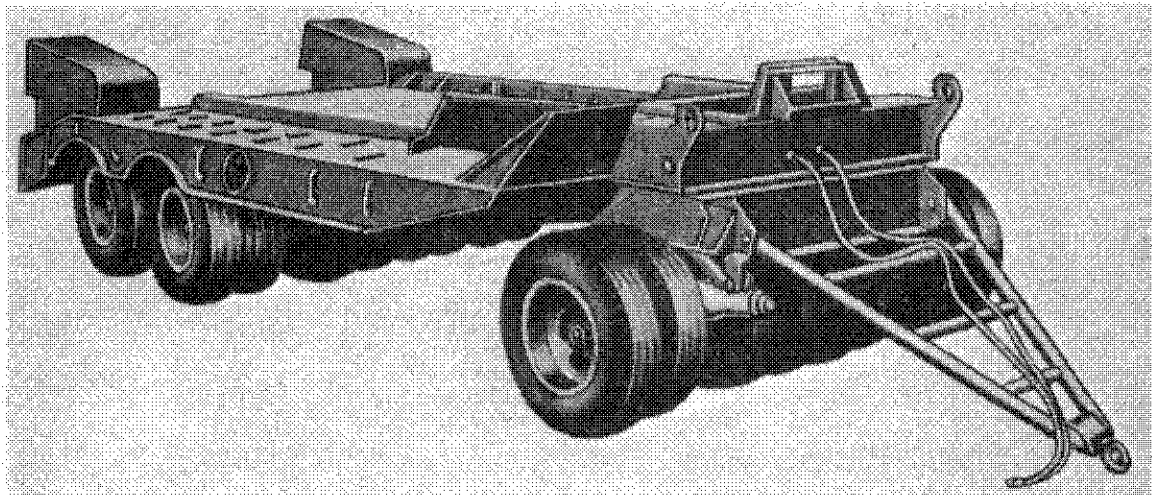
U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-12-B
NOMEN: TRAILER, FLAT BED, 40-TON CHMZAP-5208

CATALOG: Y8-381-5-22
(OLD 2-2330-2-12)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1957-77



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-2-12-B
NOMEN: TRAILER, FLAT BED, 40-TON CHMZAP-5208
PRODUCED/ADOPTED: 1957-??

CATALOG: TB-381-5-22
(OLD 2-2330-2-12)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-13-A

CATALOG: TB-381-5-22

NOMEN: TRAILER, LOW-BED 60-TON, CHMZAP-5212

(OLD 2-2330-2-13)

NATIVE DES: PRITSEP CHMZAP-5212

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1960-DATE/

DATE UPDATED: 30AUG73

(U)THIS 4-AXLE TRAILER IS FOR TRANSPORTING HEAVY INDIVISIBLE LOADS AT SPEEDS UP TO 20 MILES PER HOUR ON HARD-SURFACED ROADS. IT IS TO BE USED, ACCORDING TO SOVIET LITERATURE, WITH THE KRAZ-2958 PRIME MOVER, WHICH IS CAPABLE OF PULLING LOADS UP TO 50,000 KG ON HARD-SURFACED ROADS. HOWEVER, THE GROSS WEIGHT OF THIS TRAILER (WEIGHT OF TRAILER AND RATED LOAD) EXCEEDS THE CAPACITY OF THE KRAZ-214, SINCE IT WEIGHS 74,500 KG. IT MUST BE THEREFORE CONCLUDED THAT THE TRAILER IS ALSO INTENDED FOR SHORT HAUL OF HEAVY EQUIPMENT WITH THE AID OF A TRACKED PRIME MOVER, SUCH AS THE U.S.S.R.-BUILT ARTILLERY TRACTOR AT-T, CAPABLE OF TOWING THIS LOAD.

(U)THE FRAME OF THE TRAILER IS OF ROLLED STEEL I-BEAMS AND THE PLATFORM IS OF SHEET STEEL. THE 2-AXLE DOLLY IS COUPLED TO THE FRAME BY A TURNING RING AND HEAVY COUPLING BOLT. AUXILIARY EQUIPMENT INCLUDES REAR-LOADING RAMPS AND TIE-DOWN RINGS. THE TRAILER IS PRODUCED BY THE CHELYABINSK MACHINE CONSTRUCTION PLANT FOR TRUCK AND TRACTOR TRAILERS.

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-2-13-A
NOMEN: TRAILER, LOW-BED 60-TON, CHMZAP-5212

CATALOG: TB-381-5-22
(OLD 2-2330-2-13)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1960-DATE/

TOWING VEHICLE: --- KRAZ-214

SUSPENSION:

TYPE-

-FRONT --- TORSION BAR

-REAR --- TORSION BAR

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 74,500

-NET W/DOLLY ----- 14,500

-NET W/O DOLLY --- N/A

PAYLOAD (KG) ----- 60,000

AXLELOAD (KG)-

-FRONT LOADED ----- 18,625 ON EA FRONT AXLE

-REAR LOADED ----- 18,625 ON EA REAR AXLE

WHEELBASE (MM) ----- 5386

ROAD WHEELS (NR) --- 16 FT 16 REAR

TIRE SIZE-

-FRONT ----- 9.00 X 15

-REAR ----- 9.00 X 15

TREAD-C TO C (MM)-

-FRONT ----- 2480

-REAR ----- 2480

LENGTH O/ALL (MM)-

-W/DOLLY ----- 11370

-W/O DOLLY ----- 8840

WIDTH O/ALL (MM) --- 3300

HEIGHT O/ALL (MM) -- 1860

LOADING HGT (MM) --- 1000

LUNETTE HGT (MM) --- 790

FIFTH WHEEL-

-TYPE ----- ?

-SIZE ----- ?

-HEIGHT (MM) ----- ?

LANDING GEAR-TYPE N/A

BRAKES:

SERVICE ----- HYDRAULIC AIR-ASSISTED

PARKING ----- HYDRAULIC ?

CARGO BODY:

TYPE ----- LOW BED

MATERIAL --- STEEL

LENGTH (MM) --- 3660

WIDTH (MM) - 3300

HEIGHT (MM)-

-W/BOWS -- N/A

-W/O BOWS- N/A

REMARKS:

ROAD CLEARANCE 195 MM

ANGLE OF APPROACH: FRONT 56 DEG REAR 19 DEG

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-13-8

NOMEN: TRAILER, LOW-BED 60-TON, CHMZAP-5212

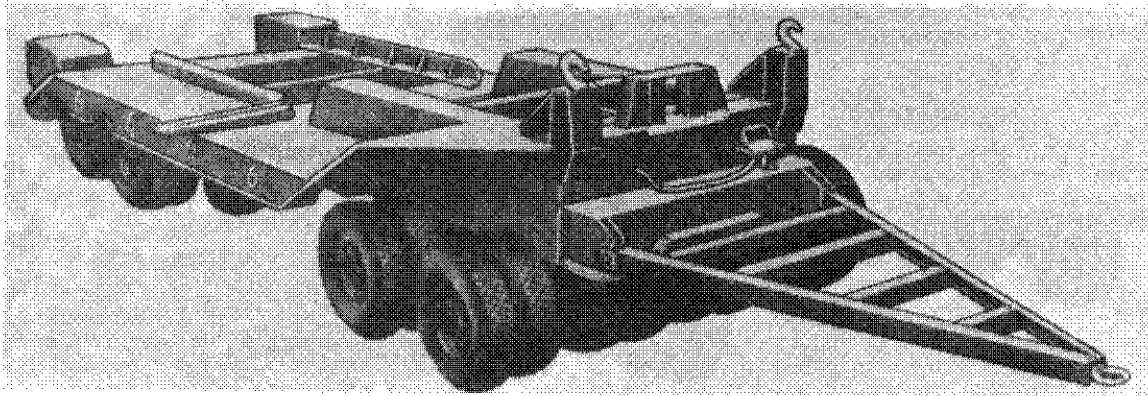
PRODUCED/ADOPTED: 1960-DATE/

CATALOG: TB-381-5-22

ICLD 2-2330-2-13)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-13-B

NOMEN: TRAILER, LOW-BED 60-TON, CHMZAP-5212

PRODUCED/ADOPTED: 1960-DATE/

CATALOG: TB-381-5-22

(OLD 2-2330-2-13)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-14-A

CATALOG: T6-381-5-22

NOMEN: SEMI-FULL TRAILER COMB, LOW-BED, 30-TON, CHMZAP-5505

(OLD 2-2330-2-14)

NATIVE DES: POLUPRITSEP-PRITSEP CHMZAP-5505

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: PROTOTYPE/

DATE UPDATED: 30AUG73

(U)THIS EXPERIMENTAL TRAILER IS DESIGNED, ACCORDING TO SOVIET PUBLICATIONS, FOR TRANSPORTING PRE-FABRICATED HOUSING ELEMENTS AND IS, THEREFORE, ONE OF THE WIDEST TRAILERS MADE IN THE U.S.S.R. PROBABLE MILITARY APPLICATIONS WILL BE THE MOVEMENT OF MISSILE COMPONENTS AND SUPPORT EQUIPMENT. IT IS DESIGNED TO CARRY LOADS UP TO 5180 MM WIDE AND 10000 MM LONG. THE FRAME CONSISTS OF TWO LONGITUDINAL STEEL I-BEAMS, FIVE CROSS-BEAMS, AND FOUR X-MEMBERS; THERE IS NO PLATFORM. MAXIMUM SPEED IS 15 KM PER HOUR. THE TRAILER IS PRODUCED BY THE CHELYABINSK MACHINE CONSTRUCTION PLANT FOR TRUCK AND TRACTOR TRAILERS.

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-Z-14-A

NOMEN: SEMI-FULL TRAILER COMB, LOW-BED, 30-TON, CHMZAP-5505

CATALOG: TB-381-5-22

(OLD 2-2330-2-14)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: PROTOTYPE/

TOWING VEHICLE: --- KRAZ-214 W/FULL TRAILER,
- KRAZ-221 W/SEMITRAILER

SUSPENSION:

TYPE-

-FRONT --- SEMIELLPTIC SPRINGS W/AUX
- SPRINGS
-REAR --- TORISON

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 41,000

-NET W/DOLLY ----- 11,000

-NET W/D DOLLY --- 9200

PAYLOAD (KG) ----- 30,000

AXLELOAD (KG)-

-FRONT LOADED ----- 11500

-REAR LOADED ----- 14,750 ON EA REAR AXLE

WHEELBASE (MM) ----- 10500

ROAD WHEELS (NR) --- 4 FRONT 16 REAR

TIRE SIZE-

-FRONT ----- 12.00 X 20

-REAR ----- 8.25 X 20

TREAD-C TO C (MM)-

-FRONT ----- 1920

-REAR ----- 3720

LENGTH O/ALL (MM)-

-W/DOLLY ----- 15,000

-W/D DOLLY ----- 12980

WIDTH O/ALL (MM) --- 5550

HEIGHT O/ALL (MM) --- 1750

LOADING HGT (MM) --- 1190

LUNETTE HGT (MM) --- 790

FIFTH WHEEL-

-TYPE ----- ?

-SIZE ----- ?

-HEIGHT (MM) ----- ?

LANDING GEAR-TYPE SKID, HAND OPERATED

BRAKES:

SERVICE ---- PNEUMATIC, REAR WHEELS

PARKING ---- HYDRAULIC

CARGO BODY:

TYPE ----- LOW-BED

MATERIAL --- STEEL

LENGTH (MM) - ?

WIDTH (MM) - ?

HEIGHT (MM)-

-W/BOWS -- N/A

-W/D BOWS- N/A

REMARKS:

GROUND CLEARANCE: 350 MM

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-2-14-8

NOMEN: SEMI-FULL TRAILER COMB. LOW-BED, 30-TON, CHMZAP-5505

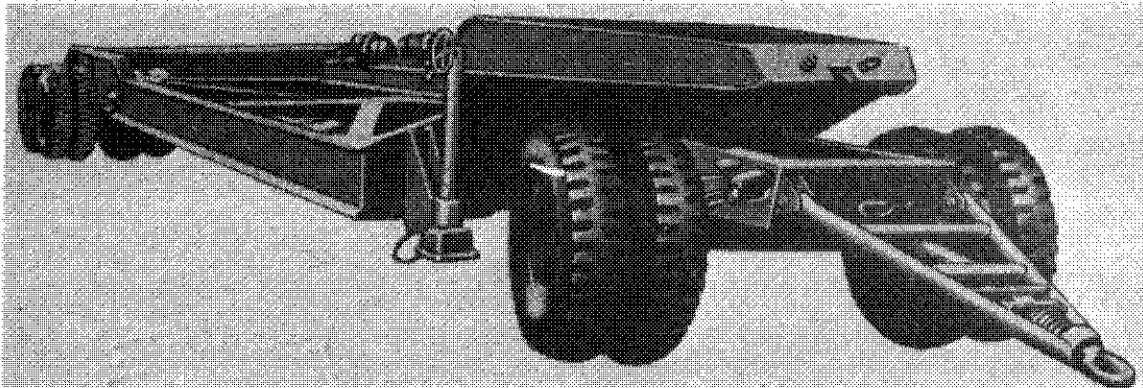
PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22

(OLD 2-2330-2-14)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2330-2-2-14-B

NOMEN: SEMI-FULL TRAILER COMB. LOW-BED, 30-TON, CHMZAP-5505

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22

(OLD 2-2330-2-14)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-15-A

CATALOG: T6-381-5-22

NCMEN: SEMI-FULL TRAILER COMBINATION LOW-BED 19.5 TON CHMZAP-5204

(OLD 2-2330-2-15)

NATIVE DES: POLUPRITSEP-PRITSEP CHMZAP-5204

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1959 TO ??

DATE UPDATED: 30AUG73

(UNDESIGNED TO CARRY FLUID TANKS, THE CHMZAP-5204 TRAILER HAS A RATED PAYLOAD OF 21.5 TONS AND CAN TRAVEL AT SPEEDS UP TO 50 KILOMETERS PER HOUR. THE TRAILER IS MODIFIED TO CARRY GENERAL LOADS; THE CHMZAP-5204S CARRIES LOADS UP TO 20.94 TONS, AND THE CHMZAP-5204M AND THE CHMZAP-5204MI CARRY LOADS UP TO 25.35 TONS. THESE TRAILERS ARE CAPABLE OF MOVING THE ASU-57 AND SU-76 SOVIET ASSAULT GUNS AND THE AT-S MEDIUM TRACKED ARTILLERY TRACTOR. THIS SERIES OF COMBINATION TRAILERS USES COMPONENTS IN COMMON WITH THE CHMZAP-5203V, EXCEPT THAT THE LATTER HAS A SHORTENED WHEELBASE AND A SLOPE AT THE REAR.

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-15-A

NOMEN: SEMI-FULL TRAILER COMBINATION LOW-BED 19.5 TON CHMZAP-5204

CATALOG: T8-381-5-22
 (OLD 2-2330-2-15)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1959 TO ??

TOWING VEHICLE: --- KRAZ-219 W/FULL TRAILER
 - KRAZ-221 W/SEMI TRAILER
 -

SUSPENSION:

TYPE-

-FRONT --- SEMIELLIPTIC SPRINGS W/AUX
 - SPRINGS
 -REAR ---- SEMIELLIPTIC SPRINGS W/AUX
 - SPRINGS

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 25,850
 -NET W/DOLLY ----- 6350
 -NET W/O DOLLY --- 4540
 PAYLOAD (KG) ----- 19,500

AXLELOAD (KG)-

-FRONT LOADED ---- 9070
 -REAR LOADED ---- 8,390

WHEELBASE (MM) ----- 5030

ROAD WHEELS (NR) --- 4 FRONT & REAR

TIRE SIZE-

-FRONT ----- 12.00 X 20
 -REAR ----- 12.00 X 20

TREAD-C TO C (MM)-

-FRONT ----- 1920
 -REAR ----- 1920

LENGTH O/ALL (MM)-

-W/DOLLY ----- 11400
 -W/O DOLLY ----- 10,000

WIDTH O/ALL (MM) --- 2650

HEIGHT O/ALL (MM) --- 1460

LOADING HGT (MM) --- 1035

LUNETTE HGT (MM) --- 790

FIFTH WHEEL-

-TYPE ----- ?
 -SIZE ----- ?
 -HEIGHT (MM) ----- ?

LANDING GEAR-TYPE ?

BRAKES:

SERVICE ---- PNEUMATIC

PARKING ---- MECHANICAL HAND-OPERATED

CARGO BODY:

TYPE ----- LOW BED

MATERIAL --- STEEL

LENGTH (MM)- ?

WIDTH (MM) - 2650

HEIGHT (MM)-

-W/BOWS -- N/A

-W/O BOWS- N/A

REMARKS:

GROUND CLEARANCE : 279 MM

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2330-2-2-15-B

NOMEN: SEMI-FULL TRAILER COMBINATION LOW-BED 19.5 TON CHMZAP-5204

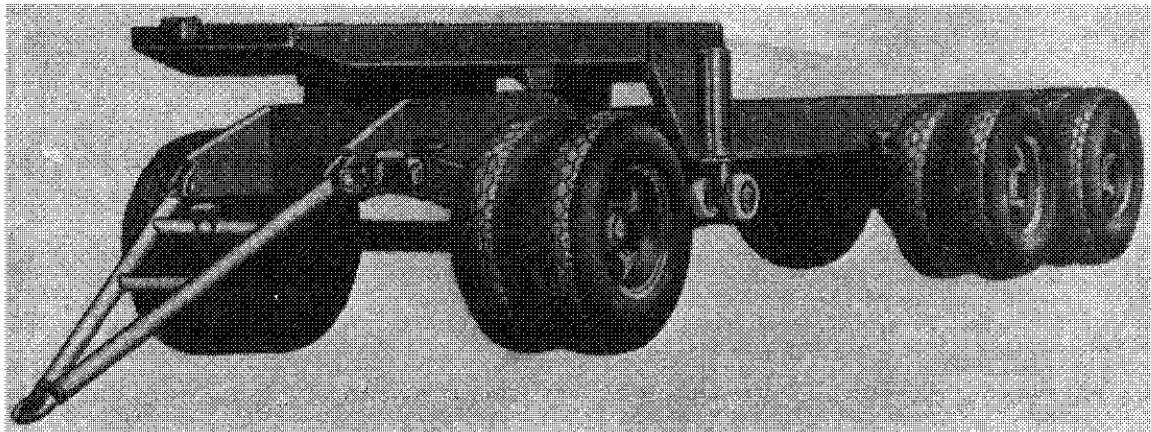
PRODUCED/ADOPTED: 1959 TO ??

CATALOG: TB-381-5-22

(OLD 2-2330-2-15)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73



DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-15-B

NOMEN: SEMI-FULL TRAILER COMBINATION LOW-BED 19.5 TON CHMZAP-5204

PRODUCED/ADOPTED: 1959 TO ?/

CATALOG: TB-381-5-22

(OLD 2-2330-2-15)

COUNTRY: U.S.S.R.

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-16-A

CATALOG: TB-381-5-22

NOMEN: TRAILER, LOW-BED, 120 TON, CHMZAP-5530

(OLD 2-2330-2-16)

NATIVE DES: PRITSEP CHMZAP-5530

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1965-DATE/

DATE UPDATED: 30AUG73

(U)THIS EXPERIMENTAL, LOW-BED, TRAILER IS DESIGNED FOR TRANSPORTING HEAVY INDIVISIBLE LOADS AT SPEEDS UP TO 8 KM/HR; IT CAN BE TOWED AND PUSHED SIMULTANEOUSLY. WHEN FULLY LOADED TO ITS RATED CAPACITY, THE TRAILER IS BEYOND THE TOWING CAPABILITIES OF ANY PAIR OF TOWING AND PUSHING WHEELED PRIME MOVERS USED IN THE U.S.S.R. TODAY. MOVING THE TRAILER FOR MILITARY PURPOSES WILL REQUIRE THE SERVICES OF A PAIR OF AT-T ARTILLERY TRACTORS.

(U)AN OPERATOR RIDES IN THE CAB MOUNTED ON THE REAR PORTION OF THE TRAILER AND STEERS BOTH THE FRONT AND REAR SETS OF WHEELS. A TELEPHONE IN THE TRAILER CAB ENABLES THE DRIVER OF THE TOWING VEHICLE TO TALK TO THE OPERATOR IN THE TRAILER CAB. THE TRAILER CONTAINS ITS OWN COMPRESSOR, AND THE SERVICE BRAKES CAN BE APPLIED FROM EITHER THE TOWING VEHICLE OR THE TRAILER CAB. THE PLATFORM CAN BE RAISED OR LOWERED HYDRAULICALLY AND CAN ALSO BE COMPLETELY SEPARATED FROM THE WHEELS FOR LOADING ON A RAILROAD CAR. IT IS MADE OF WELDED SHEET STEEL, AND THE FRAME IS MADE OF WELDED BOX GIRDERS. AUXILIARY EQUIPMENT FOR THE TRAILER INCLUDES TWO BATTERIES, SIX TIE-DOWN RINGS, FOUR BRACKETS, 6 WIDENERS, AND 1 SPOTLIGHT. THE TRAILER IS PRODUCED BY THE CHELYABINSK MACHINE CONSTRUCTION PLANT FOR TRUCK AND TRACTOR TRAILERS.

DATE CATALOGED: 01NOV65
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-2-16-A
 NOMEN: TRAILER, LOW-BED, 120 TON, CHMZAP-5530

CATALOG: TB-381-5-22
 (OLD 2-2330-2-16)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1965-DATE/

TOWING VEHICLE: --- *1

SUSPENSION:

TYPE-

-FRONT --- TORSION BAR

-REAR --- TORSION BAR

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 168,000

-NET W/DOLLY ----- 48,000

-NET W/D DOLLY --- N/A

PAYLOAD (KG) ----- 120,000

AXLELOAD (KG)-

-FRONT LOADED ---- 28,000 PER AXLE

-REAR LOADED ---- 28,000 LB PER AXLE

WHEELBASE (MM) ----- 14,500

ROAD WHEELS (INR) --- 12 FRONT; 12 REAR

TIRE SIZE-

-FRONT ----- 14.00 X 20

-REAR ----- 14.00 X 20

TREAD-C TO C (MM)-

-FRONT ----- 2110

-REAR ----- 2110

LENGTH O'ALL (MM)-

-W/DOLLY ----- 21735

-W/D DOLLY ----- N/A

WIDTH O'ALL (MM) --- 3250

HEIGHT O'ALL (MM) --- 3400

LOADING HGT (MM) --- *2

LUNETTE HGT (MM) --- 7

FIFTH WHEEL-

-TYPE ----- N/A

-SIZE ----- N/A

-HEIGHT (MM) ----- N/A

LANDING GEAR-TYPE N/A

BRAKES:

SERVICE ---- PNEUMATIC

PARKING ---- MECHANICAL, HAND-OPERATED

CARGO BODY:

TYPE ----- LOW BED

MATERIAL --- STEEL

LENGTH (MM)- 9910

WIDTH (MM) - 4050

HEIGHT (MM)-

-W/BOWS -- N/A

-W/D BOWS- N/A

REMARKS:

1/ THE MAXIMUM TOWING CAPABILITY OF THE KRAZ 2558 IS 55 TONS ON GOOD HIGHWAYS. THE DET-250 TRACKED PRIME MOVER, THE MOST POWERFUL TRACTOR PRODUCED FOR THE CIVILIAN ECONOMY, WILL BE REQUIRED TO OPERATE IN CONJUNCTION WITH THE KRAZ-2558, ACCORDING TO SOVIET SOURCES. THE AT-T ARTILLERY TRACTOR IS LIKELY TO BE USED WHEN CARRYING MILITARY LOADS.

2/ THE LOADING HEIGHT IS 500 MM AND THE CARGO BED IS RAISED TO 900 MM IN TRAVELING POSITION TO PROVIDE GROUND CLEARANCE. ROAD CLEARANCE: EMPTY 400, LOADED 350 MM

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U N C L A S S I F I E D

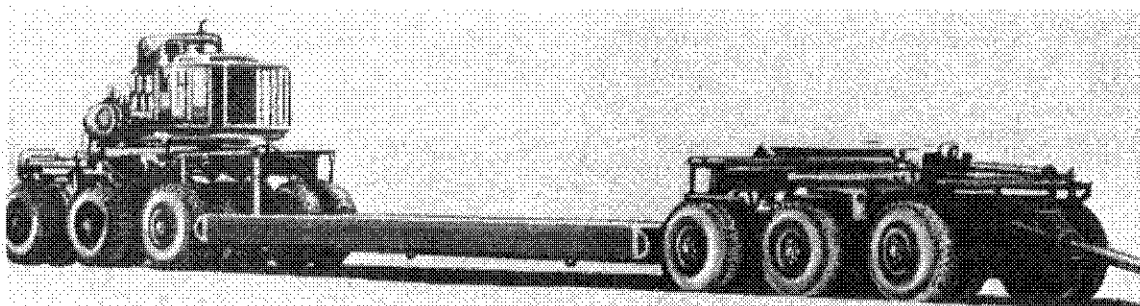
U N C L A S S I F I E D

FOM-2330-2-2-16-B

NOMEN: TRAILER, LOW-BED, 120 TON, CHMZAP-5530

PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-5-22
(OLD 2-2330-2-16)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-2-16-B
NOMEN: TRAILER, LOW-BED, 120 TON, CHMZAP-5530

PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-5-22
EOLD 2-2330-2-161
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

FOM-2330-2-2-17-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: SEMI/FULL TRAILER COMBINATION, TANK POL, 16,000 LITERS, TZ-16

ICLD 2-2330-2-17}

NATIVE DES: ТОПЛИВОЗ АПРАВИК, ТЗ-16
PRODUCED/ADOPTED: 1962 TO ?/

COUNTRY: U.S.S.R.

DATE UPDATED: 20JUL73

(U)THE TZ-16 IS DESIGNED TO TRANSPORT LIQUID POL PRODUCTS AND TO SERVICE AIRCRAFT WITH FILTERED FUEL. THE TANK BODY, MOUNTED ON A CHMZAP-5204 TRAILER CHASSIS, IS DIVIDED INTO TWO COMPARTMENTS (FORWARD COMPARTMENT - 8500 LITERS, REAR COMPARTMENT - 7500 LITERS). EACH COMPARTMENT IS TOPPED WITH A MANHOLE-AND-FILLER COVER ASSEMBLY. A CABINET IN THE REAR OF THE TANK BODY HOUSES A FUEL FILTER, METER, LEVEL INDICATOR, CONTROL VALVES, AND TWO GASOLINE-ENGINE-DRIVEN PUMPS. TWO SUCTION, TWO DELIVERY, AND TWO AUXILIARY DELIVERY HOSES ARE ALSO PROVIDED.

(U)THE TZ-16 CAN DELIVER 1000 LITERS OF FUEL PER MINUTE WHEN USING BOTH PUMPS AND TWO MAIN AND TWO AUXILIARY DELIVERY HOSES; WHEN USING ONE PUMP AND ONE MAIN AND ONE AUXILIARY HOSE IT CAN DELIVER 500 LITERS OF FUEL PER MINUTE.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-17-A

NOMEN: SEMI/FULL TRAILER COMBINATION, TANK POL, 16,000 LITERS, T2-16

CATALOG: T8-381-5-22
 (OLD 2-2330-2-17)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: 1962 TO ?

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 12,955
 -PAYLOAD OFF HWY ----- 2
 -PAYLOAD ON HWY ----- 12,100
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 25,055
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- 2885
 -EMPTY REAR ----- 5035 EA
 -LOADED FRONT OFF HWY ----- ?
 -LOADED REAR OFF HWY ----- ?
 -LOADED FRONT ON HWY ----- 8645
 -LOADED REAR ON HWY ----- 8205 EA

PERSONNEL LOAD (NR) -----

N/A

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A

-ON HWY ----- N/A

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 10,110

WIDTH O/ALL ----- 2640

HEIGHT O/ALL ----- 2950

CARGO SPACE-

-LENGTH ----- N/A

-WIDTH ----- N/A

-HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- 1920

-REAR ----- 1920

WHEELBASE ----- 5030

GROUND CLEARANCE ----- 280

PINTLE HEIGHT ----- N/A

HGT TO C OF 5TH WHL ----- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- N/A

TURNING RADIUS (MM) ----- N/A

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- N/A

-WATER (L/HRI) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- N/A

-WATER ----- N/A

MAX SPEED (KM/HRI) LOADED -

-ROAD ----- N/A

-WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- ?

ANGLE OF DEPARTURE (DEG) ----- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- N/A

TYPE ----- N/A

MAX HP AT RPM ----- N/A

MAX TORQUE (KGM) ----- N/A

FUEL TYPE ----- N/A

COOLING SYSTEM-TYPE ----- N/A

BORE (MM) ----- N/A

STROKE (MM) ----- N/A

DISPLACEMENT (LITERS) N/A

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 12 X 20

-PLY ----- ?

-TYPE ----- ?

-LOADED RADIUS (MM) ----- ?

-INFLATION SYSTEM ----- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- N/A

-AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC

-PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- #1

-REAR ----- HYDROPNEUMATIC SYSTEM 2

TRANSMISSION-

-TYPE ----- N/A

-NR SPEEDS FWD/RVSE ----- N/A

TRANSFER, NR SPEEDS ----- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A

-AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) ----- N/A

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) ----- N/A

TANK BODY:

MATERIAL ----- STEEL

NR COMPARTMENTS ----- ?

LG X WD X HGT (MM) ----- ?

WEIGHT-EMPTY (KG) ----- 4799

CAPACITY (LITERS) ----- 16,000

PUMP:

TYPE ----- CENTRIFUGAL

MODEL ----- STSL-20-24

SPEED RPM ----- 1450

CAPACITY (LITERS P/MIN) ----- 500

HOSES:

SUCTION HOSE LENGTH (M) ----- 2 @ 9 EA

-DIAMETER (MM) ----- 75

DELIVERY HOSE LENGTH (M) ----- 2 @ 15 EA

-DIAMETER (MM) ----- 50

AUX DELIVERY HOSE LGTH (M) ----- 2 @ 10 EA

-DIAMETER (MM) ----- 38

REMARKS:

1/ SEMIELLIPITIC SPRINGS W/AUX. SPRINGS

NOTE: TOWING VEHICLE: KRAZ-219 W/FULL

TRAILER: KRAZ-221 W/SEMITRAILER

NOTE: LUNETTE HEIGHT 792 MM

DATE CATALOGED: 01JUN62

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-2-17-8

NOMEN: SEMI/FULL TRAILER COMBINATION, TANK POL, 16,000 LITERS, TZ-16

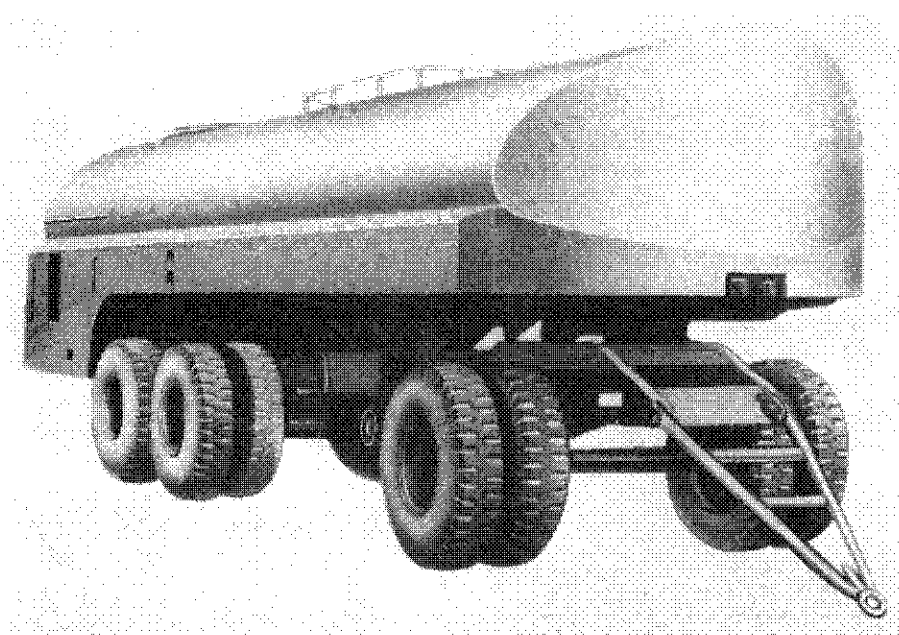
PRODUCED/ADOPTED: 1962 TO ?/

CATALOG: TB-381-5-22

(OLD 2-2330-2-17)

COUNTRY: U.S.S.R.

DATE UPDATED: 20JUL73



DATE CATALOGED: 01JUN62
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-2-17-B

NAME: SEMI/FULL TRAILER COMBINATION, TANK POL, 16,000 LITERS, TZ-16

PRODUCED/ADOPTED: 1962 TO ??

CATALOG: TB-381-5-22
(OLD 2-2330-2-17)
COUNTRY: U.S.S.R.
DATE UPDATED: 20JUL73

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DATE CATALOGED: 01JUN62
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-18-A

CATALOG: TB-381-5-22

NOMEN: TRAILER, TANK, POL, 1200 LITERS, PZ-1200

(OLD 2-2330-2-18)

NATIVE DES: ПРИЦЕП-ЦИСТЕРНА ПЗ-1200
PRODUCED/ADOPTED: 1961-DATE??

COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

(U)THE PZ-1200 TANK TRAILER IS USED BY THE SOVIET ARMY TO TRANSPORT LIQUID PETROLEUM PRODUCTS AND TO SERVICE MOTOR VEHICLES WITH FILTERED FUEL. THE TANK BODY, ELLIPTICAL IN SHAPE AND MOUNTED ON A 1-AP-1.5 ONE-AXLE TRAILER CHASSIS, IS MADE OF SHEET STEEL 3 MILLIMETERS THICK AND IS EQUIPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP.

(U)THE PZ-1200 IS EQUIPPED WITH A ROD-TYPE LEVEL INDICATOR, ONE 15-FOOT DELIVERY HOSE, AND A HAND PUMP WITH A DELIVERY RATE OF 15 TO 22 LITERS OF FUEL PER MINUTE.

DATE CATALOGED: 01JAN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-18-A
 NOMEN: TRAILER, TANK, POL, 1200 LITERS, PZ-1200

CATALOG: TB-381-5-22
 (OLD 2-2330-2-18)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1961-DATE??

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 700
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 1030
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 1730
 -GROSS, WATER ----- 700
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- N/A
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- N/A
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- N/A
 -LOADED REAR ON HWY --- ?
 PERSONNEL LOAD (NR) ----- N/A
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 2975
 WIDTH O/ALL ----- 1800
 HEIGHT O/ALL ----- 2030
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- N/A
 -REAR ----- ?
 WHEELBASE ----- N/A
 GROUND CLEARANCE ----- 398
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- N/A
 TURNING RADIUS (MM) ----- N/A
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- N/A
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- N/A
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- N/A
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- N/A
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

ENGINE:

MODEL ----- N/A
 TYPE ----- N/A
 MAX HP AT RPM ----- N/A
 MAX TORQUE (KGM) ----- N/A
 FUEL TYPE ----- N/A
 COOLING SYSTEM-TYPE - N/A
 BORE (MM) ----- N/A
 STROKE (MM) ----- N/A
 DISPLACEMENT (LITERS) N/A
 FOM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 8.25 x 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- N/A
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- ?
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- N/A
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- N/A
 -NR SPEEDS FWD/RVSE - N/A
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- ?
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 1
 LG X WD X HGT (MM)- 1470 1280 790
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 1200

PUMP:

TYPE ----- PISTON, HANDDRIVEN
 MODEL ----- BKF-2
 SPEED RPM ----- N/A
 CAPACITY (LITERS P/MIN) ----- 22

HOSES:

SUCTION HOSE LENGTH (M) ----- N/A
 -DIAMETER (MM) ----- N/A
 DELIVERY HOSE LENGTH (M) ----- 4.5
 -DIAMETER (MM) ----- 38
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-18-B

NOMEN: TRAILER, TANK, PDL, 1200 LITERS, PZ-1200

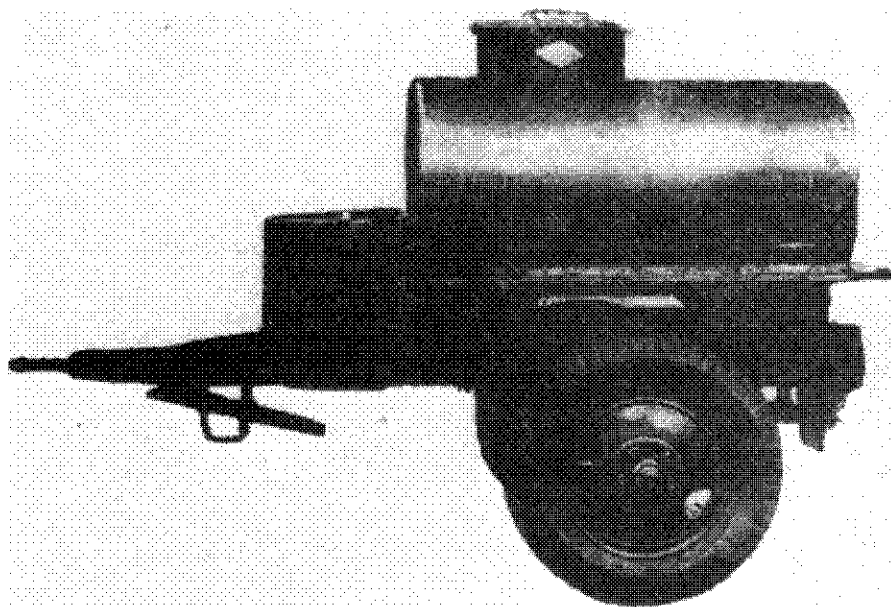
PRODUCED/ADOPTED: 1961-DATE??

CATALOG: TB-381-5-22

(OLD 2-2330-2-18)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73



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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-18-B

NOMEN: TRAILER, TANK, POL, 1200 LITERS, PZ-1200

PRODUCED/ADOPTED: 1961-DATE?/

CATALOG: TB-381-5-22

FORM 2-2330-2-181

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73

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U N C L A S S I F I E D

FOI-2330-2-2-19-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRAILER, TANK, POL, 4000 LITERS, PTS-4

(OLD 2-2330-2-19)

NATIVE DES: ПРИЦЕП-ЦИСТЕРНА Ц-4
PRODUCED/ADOPTED: 1962-DATE7/

COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

(U)THE PTS-4 TANK TRAILER IS USED BY THE SOVIET ARMY TO TRANSPORT AND TEMPORARILY STORE FUEL. THE TANK BODY MOUNTED ON AN IAPZ-75V 2-AXLE TRAILER, IS ELLIPTICAL, MADE OF SHEET STEEL OF 3 MILLIMETERS THICK, AND TOPPED WITH A MANHOLE-AND-FILLER COVER ASSEMBLY. THE PTS-4 IS EQUIPPED WITH A RUD-TYPE, LEVEL INDICATOR, ONE 3 METER SUCTION HOSE, AND ONE 4.5 METER DELIVERY HOSE. THESE HOSES ARE HOUSED ON EACH SIDE OF THE TANK BODY. FUEL IS DISCHARGED FROM THE TANK BODY BY MEANS OF A PISTON-TYPE, SINGLE-CYLINDER, DOUBLE-ACTION HAND PUMP, LOCATED AT THE REAR OF THE TANK, HAVING A DELIVERY RATE OF 30 TO 45 LITERS PER MINUTE. THE PS-4 IS NORMALLY TOWED BY TANK TRUCKS USING A ZIL-164 CHASSIS.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-2-2-19-A

NOMEN: TRAILER, TANK, POL, 4000 LITERS, PTS-4

CATALOG: TB-381-5-22

[OLD 2-2330-2-19]

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1962-DATE?/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 2580
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 3020
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 5600
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- 1350
 -EMPTY REAR ----- 1230
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - 2700
 -LOADED REAR ON HWY - 2900
 PERSONNEL LOAD (NR) ----- N/A
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 5970
 WIDTH O'ALL ----- 2250
 HEIGHT O'ALL ----- 2740
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 1798
 -REAR ----- 1798
 WHEELBASE ----- 2590
 GROUND CLEARANCE ----- 274
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- N/A
 TURNING RADIUS (MM) ----- N/A
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- N/A
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- N/A
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- N/A
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

NOTE: LUNETTE HEIGHT 853 MM

ENGINE:

MODEL ----- N/A
 TYPE ----- N/A
 MAX HP AT RPM ----- N/A
 MAX TORQUE (KGM) ---- N/A
 FUEL TYPE ----- N/A
 COOLING SYSTEM-TYPE - N/A
 BORE (MM) ----- N/A
 STROKE (MM) ----- N/A
 DISPLACEMENT (LITERS) N/A

FOM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 9.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- N/A
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- N/A
 -NR SPEEDS FWD/RVSE - N/A
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12 V
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 1
 LG X WD X HGT (MM)- 3320 1500 944
 WEIGHT-EMPTY (KG) - 1098
 CAPACITY (LITERS) - 4000

PUMP:

TYPE ----- PISTON, HANDDRIVEN
 MODEL ----- BKF-4
 SPEED RPM ----- N/A
 CAPACITY (LITERS P/MIN) ----- 45

HOSES:

SUCTION HOSE LENGTH (M) ----- 3
 -DIAMETER (MM) ----- 65
 DELIVERY HOSE LENGTH (M) ----- 4.5
 -DIAMETER (MM) ----- 38
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

DATE CATALOGED: 01JUN72

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDH-2330-Z-2-19-8

NOMEN: TRAILER, TANK, POL, 4000 LITERS, PTS-4

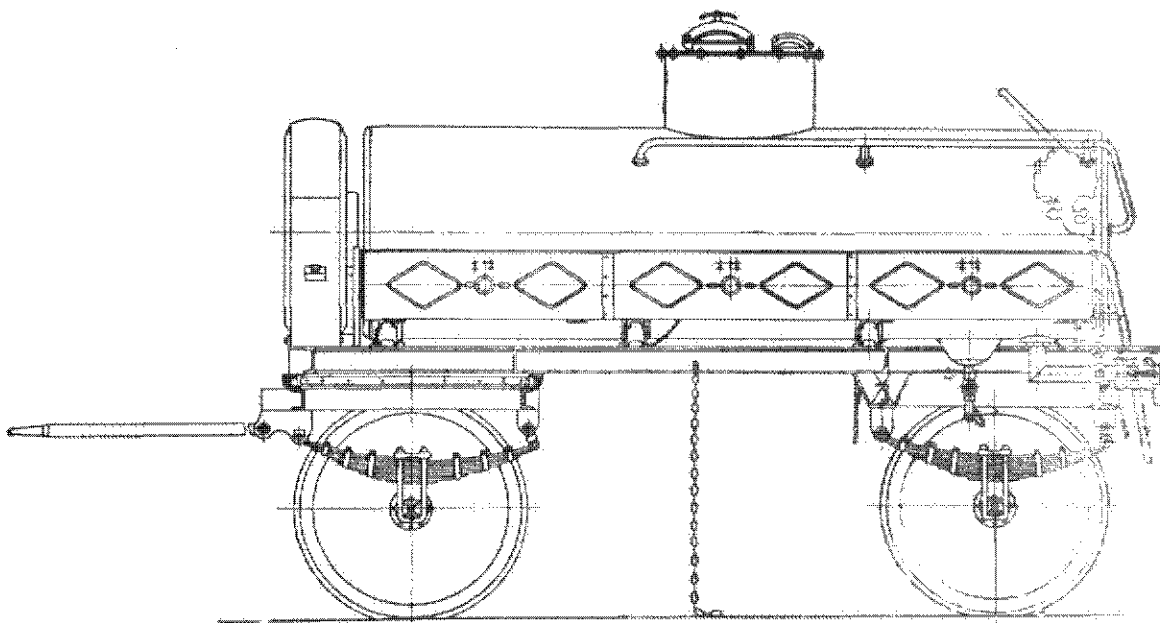
PRODUCED/ADOPTED: 1962-DATE77

CATALOG: T6-981-5-22

(OLD Z-2330-2-19)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73



DATE CATALOGED: 01JUN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-2-19-B

NOMEN: TRAILER, TANK, POL, 4000 LITERS, PTS-4

PRODUCED/ADOPTED: 1962-DATE??

CATALOG: TB-381-5-22

(OLD 2-2330-2-19)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73

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DATE CATALOGED: 01JUN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOH-2330-2-2-21-A

CATALOG: TB-381-5-22

NOMEN: TRAILER, TANK, POL, 4200 LITERS, PTS-4.2-754V

(OLD 2-2330-2-21)

NATIVE DES:

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1966-DATE?/

DATE UPDATED: 13SEP73

(U)THE PTS-4.2-754V TANK TRAILER IS USED BY THE SOVIET ARMY TO TRANSPORT FUEL TO USING UNITS IN THE FIELD. THE TANK BODY, ELLIPTICAL IN SHAPE, MOUNTED ON A IAP2-754V TRAILER CHASSIS, IS MADE OF SHEET STEEL 3 MILLIMETERS THICK, AND IS EQUIPPED WITH A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP. THE PTS-4.2-754V IS EQUIPPED WITH ONE 3 METER SUCTION HOSE AND ONE 4.5 METER DELIVERY HOSE. THESE HOSES ARE HOUSED IN SINGLE HOSE TUBES WELDED TO EACH SIDE OF THE TANK BODY. FUEL IS DISCHARGED FROM THE TANK BY MEANS OF A PISTON-TYPE SINGLE CYLINDER, DOUBLE ACTION, HAND PUMP, LOCATED AT THE LEFT SIDE OF THE TANK. DELIVERY RATE OF THIS PUMP IS 30 TO 45 LITERS PER MINUTE. THE PTS-4.2-754V IS NORMALLY TOWED BY ZIL-164 TANK TRUCKS. THIS TANK TRAILER IS PRODUCED BY THE GRABOVSKIY SPECIALIZED VEHICLE PLANT, USSR.

DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-2-21-A
 NUMEN: TRAILER, TANK, POL, 4200 LITERS, PTS-4.2-754V

CATALOG: TB-381-5-22
 (OLD 2-2330-2-21)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 13SEP73

PRODUCED/ADDPED: 1966-DATE77

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 2268
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 3612
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY -----
 -GROSS ON HWY ----- 5880
 -GROSS, WATER ----- ?
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - ?
 -LOADED REAR OFF HWY - ?
 -LOADED FRONT ON HWY - ?
 -LOADED REAR ON HWY - ?
 PERSONNEL LOAD (NR) ----- N/A
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 6000
 WIDTH O'ALL ----- 2275
 HEIGHT O'ALL ----- 2746
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- 1798
 -REAR ----- 1798
 WHEELBASE ----- 2590
 GROUND CLEARANCE ----- 274
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- N/A
 TURNING RADIUS (MM) ----- N/A
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- N/A
 -WATER (L/HRI) ----- N/A
 CRUISING RANGE (KMI) LOADED -
 -ROAD ----- N/A
 -WATER ----- N/A
 MAX SPEED (KM/HRI) LOADED -
 -ROAD ----- N/A
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- N/A
 TYPE ----- N/A
 MAX HP AT RPM ----- N/A
 MAX TORQUE (KGM) ----- N/A
 FUEL TYPE ----- N/A
 COOLING SYSTEM-TYPE - N/A
 BORE (MM) ----- N/A
 STROKE (MM) ----- N/A
 DISPLACEMENT (LITERS) N/A

FOM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- 9.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- N/A
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- HYDRAULIC
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM-
 -FRONT ----- SEMIELLEPTIC SPRINGS
 -REAR ----- SEMIELLEPTIC SPRINGS
 TRANSMISSION-
 -TYPE ----- N/A
 -NR SPEEDS FWD/RVSE - N/A
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- 12 V
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 1
 LG X WD X HGT (MM)- 3322 1600 950
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 4200

PUMP:

TYPE ----- PISTON, HANDDRIVEN
 MODEL ----- BKF-4
 SPEED RPM ----- N/A
 CAPACITY (LITERS P/MIN) ----- 45

HOSES:

SUCTION HOSE LENGTH (M) ----- 2 @ 3. EA
 -DIAMETER (MM) ----- 65
 DELIVERY HOSE LENGTH (M) ----- 4.5
 -DIAMETER (MM) ----- 38
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

REMARKS:

NOTE: LUNETTE HEIGHT 853 MM
 NOTE: TOWING VEHICLE: ATS-4-164

DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-2-21-B

NOMEN: TRAILER, TANK, PDL, 4200 LITERS, PTS-4.2-754V

PRODUCED/ADOPTED: 1966-DATE?/?

CATALOG: TB-381-5-22

(OLD 2-2330-2-21)

COUNTRY: U.S.S.R.

DATE UPDATED: 13SEPT3

NO PICTURE AVAILABLE

DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-2-2-21-B

NOMEN: TRAILER, TANK, POL, 4200 LITERS, PTS-4.2-754V

PRODUCED/ADOPTED: 1966-DATE?/

CATALOG: TB-381-5-22
(OLD 2-2330-2-21)
COUNTRY: U.S.S.R.
DATE UPDATED: 13SEP73

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DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOU-2330-6-2-1-A

CATALOG: TB-381-5-22

NOMEN: SEMITRAILER, TANK, PDL, 23,650 LITERS, CN 22

(OLD 6-2330-2-1)

NATIVE DES: NAVESOVA SUPRAVA, CN 22

COUNTRY: CZECHOSLOVAKIA

PRODUCED/ADOPTED: ??

DATE UPDATED: 20JUL73

(U)THE CN 22 TANK SEMITRAILER IS DESIGNED TO TRANSPORT LIQUID PDL PRODUCTS OVER LONG DISTANCES AND TO PROVIDE FILTERED FUEL TO AIRCRAFT. THE TANK BODY IS MADE OF STEEL, AND IS DIVIDED INTO FIVE COMPARTMENTS; EACH COMPARTMENT HAS A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP. A CABINET ON THE SIDE OF THE TANK BODY HOUSES A FUEL FILTER, A METER, A LEVEL INDICATOR, AND CONTROL VALVES. DELIVERY AND SUCTION HOSES ARE HOUSED IN SINGLE HOSE TUBES WELDED ON EACH SIDE OF THE TANK. THE CN 22 IS EQUIPPED WITH A DISPENSING PUMP THAT CAN DELIVER 1000 LITERS OF FUEL PER MINUTE.

DATE CATALOGED: Q1MAR69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2330-6-2-1-A
 NGMEN: SEMITRAILER, TANK, POL, 23,650 LITERS, CN 22

CATALOG: TB-381-5-22
 (OLD 6-2330-2-1)
 COUNTRY: CZECHOSLOVAKIA
 DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: ??

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 10,570
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 17,000
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY -----
 -GROSS ON HWY ----- 27,570
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- N/A
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- N/A
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- N/A
 -LOADED REAR ON HWY -- ?

PERSONNEL LOAD (NR) ----- N/A

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 12,820
 WIDTH O/ALL ----- 2445
 HEIGHT O/ALL ----- 3,110

CARGO SPACE-

-LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A

TREAD, C TO C-

-FRONT ----- N/A
 -REAR ----- 1830

WHEELBASE ----- N/A

GROUND CLEARANCE ----- 320

PINTLE HEIGHT ----- N/A

HGT TO C OF 5TH WHL -- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- N/A

TURNING RADIUS (MM) ----- N/A

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- N/A
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- N/A
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- N/A
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ---- N/A

ANGLE OF DEPARTURE (DEG) --- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- N/A
 TYPE ----- N/A
 MAX HP AT RPM ----- N/A
 MAX TORQUE (KGM) ---- N/A
 FUEL TYPE ----- N/A
 COOLING SYSTEM-TYPE - N/A
 BORE (MM) ----- N/A
 STROKE (MM) ----- N/A
 DISPLACEMENT (LITERS) N/A

FDM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 10.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- N/A
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- N/A
 -REAR ----- ?

TRANSMISSION-

-TYPE ----- N/A
 -NR SPEEDS FWD/RVSE - N/A

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- ?

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 5
 LG X WD X HGT (MM) -- ?
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 23,650

PUMP:

TYPE ----- CENTRIFUGAL
 MODEL ----- 100-S-LVG/III-D
 SPEED RPM ----- ?
 CAPACITY (LITERS P/MIN) ----- 1000

HOSES:

SUCTION HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- ?
 DELIVERY HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- ?
 AUX DELIVERY HOSE LGTH (M) -- ?
 -DIAMETER (MM) ----- ?

REMARKS:

NOTE: TOWING VEHICLE: TATRA 138 NT

DATE CATALOGED: 01MAR69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-6-2-1-B

NOMEN: SEMITRAILER, TANK, POL, 23,650 LITERS, CN 22

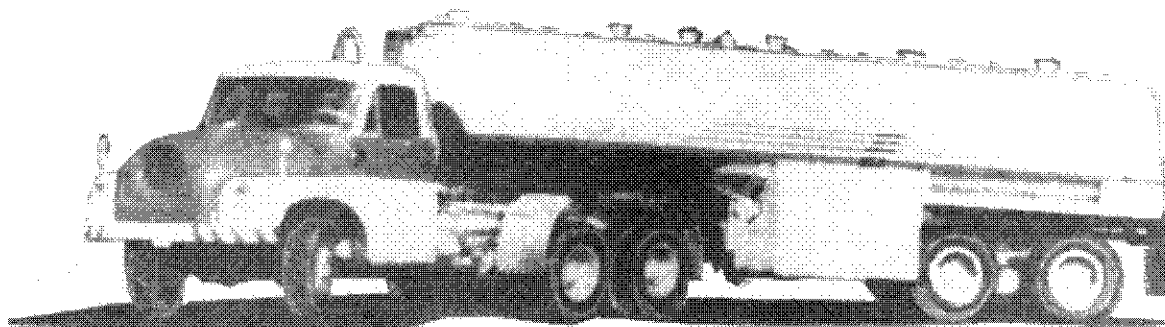
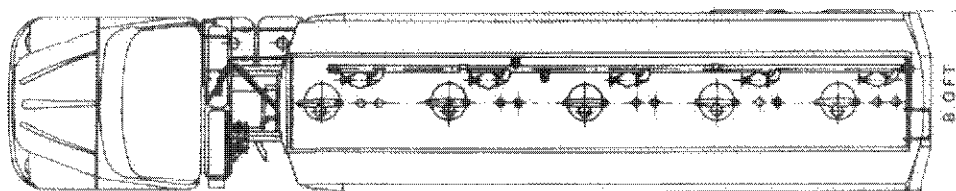
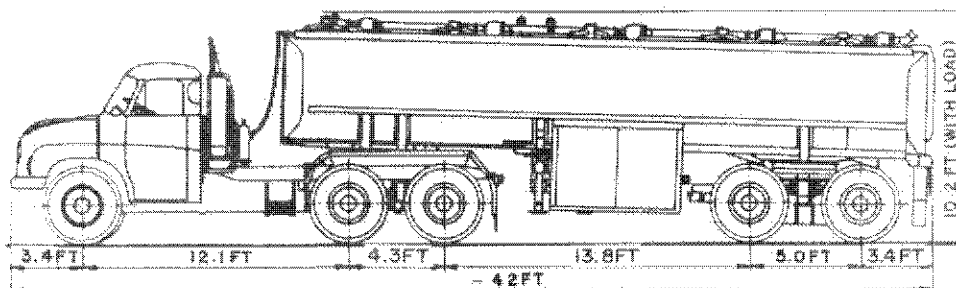
PRODUCED/ADOPTED: ?/

CATALOG: TB-381-5-22

(OLD 6-2330-2-1)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 20JUL73



DATE CATALOGED: 01MAR69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-6-2-1-B

NOMEN: SEMITRAILER, TANK, POL, 23,650 LITERS, CN 22

PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22

OLD 6-2330-2-11

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 20JUL73

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DATE CATALOGED: OIMAR69
VOLUME 22, PAGE 998

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-6-2-2-A

CATALOG: TB-381-5-22

NOMEN: TRAILER, TANK, POL, 12,000 LITERS, CP-12

(OLD 6-2330-2-2)

NATIVE DES: CISTERNOVY PRIVES CP 12
PRODUCED/ADOPTED: ?/

COUNTRY: CZECHOSLOVAKIA
DATE UPDATED: 20JUL73

(U)THE CP 12 IS DESIGNED TO TRANSPORT LIQUID POL PRODUCTS. A TWO-AXLE TRAILER CHASSIS SUPPORTS THE TANK BODY WHICH IS DIVIDED INTO THREE COMPARTMENTS OF DIFFERENT CAPACITY. THE FORWARD COMPARTMENT HAS A CAPACITY OF 3917 LITERS, THE MIDDLE COMPARTMENT HOLDS 3697 LITERS, AND THE REAR COMPARTMENT HOLDS 4386 LITERS; EACH COMPARTMENT HAS A MANHOLE AND FILLER-COVER ASSEMBLY AT THE TOP. TWO INTERCONNECTED CABINETS ARE LOCATED UNDER THE TANK BODY. THE RIGHT CABINET HOUSES THE HOSES, THE LEFT CONTAINS A SPARE TIRE.

(U)THE CP 12 IS NORMALLY TOWED BY THE TATRA 111 C 9 OR THE TATRA 138 C 12 TANK TRUCKS. FUEL IS DISCHARGED FROM THE TANK EITHER BY USING THE PUMPING EQUIPMENT ON THE TOWING TANK TRUCK, OR BY GRAVITY FEED.

DATE CATALOGED: 01MAR69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-6-2-2-A

NOMEN: TRAILER, TANK, POL, 12,000 LITERS, CP-12

CATALOG: TR-381-5-22

(OLD 6-2330-2-2)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: ?/

PHYSICAL DATA:

WEIGHT (KG):

-CURB ----- 5620
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 9950
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 15,570
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG):
 -EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- ?
 -LOADED REAR ON HWY -- ?
 PERSONNEL LOAD (NR) ---- N/A
 MAX TOWED LOAD (KG):
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG):
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 7492
 WIDTH O'ALL ----- 2480
 HEIGHT O'ALL ----- 2730
 CARGO SPACE:
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C:
 -FRONT ----- 1830
 -REAR ----- 1830
 WHEELBASE ----- 4200
 GROUND CLEARANCE ----- 580
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- N/A
 TURNING RADIUS (MM) ----- N/A
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- N/A
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- N/A
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- N/A
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- ?
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY(MM) ?

REMARKS:

ENGINE:

MODEL ----- N/A
 TYPE ----- N/A
 MAX HP AT RPM ----- N/A
 MAX TORQUE (KGM) ----- N/A
 FUEL TYPE ----- N/A
 COOLING SYSTEM-TYPE - N/A
 BORE (MM) ----- N/A
 STROKE (MM) ----- N/A
 DISPLACEMENT (LITERS) N/A

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 1100 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS):

-MAIN TANK ----- N/A
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- ?
 -PARKING TYPE ----- ?

SUSPENSION SYSTEM-

-FRONT ----- ?
 -REAR ----- ?

TRANSMISSION-

-TYPE ----- N/A
 -NR SPEEDS FWD/RVSE - N/A

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- N/A

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A

-CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL

NR COMPARTMENTS --- 3

LG X WD X HGT (MM) - 5600 2200 1285

WEIGHT-EMPTY (KG) - ?

CAPACITY (LITERS) - 12,000

PUMPS:

TYPE ----- N/A

MODEL ----- N/A

SPEED RPM ----- N/A

CAPACITY (LITERS P/MIN) ----- N/A

HOSES:

SUCTION HOSE LENGTH (M) ----- ?

-DIAMETER (MM) ----- ?

DELIVERY HOSE LENGTH (M) ----- ?

-DIAMETER (MM) ----- ?

AUX DELIVERY HOSE LGTH (M) -- N/A

-DIAMETER (MM) ----- N/A

DATE CATALOGED: 01MAR69

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-6-2-2-B

NOMEN: TRAILER, TANK, POL, 12,000 LITERS, CP-12

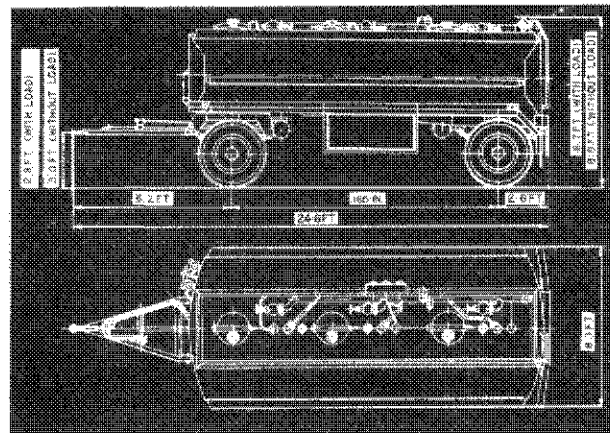
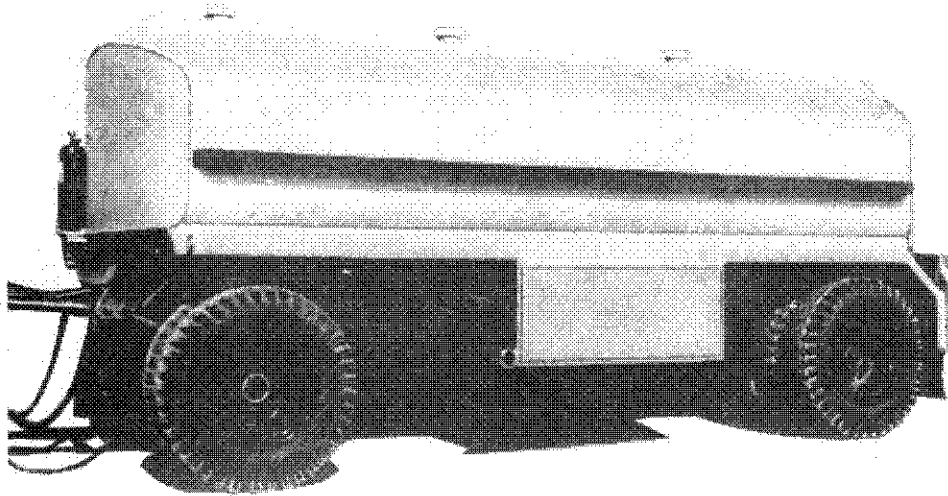
PRODUCED/ADOPTED: 77

CATALOG: T6-381-5-22

(OLD 6-2330-2-2)

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 20JUL73



DATE CATALOGED: 01MAR69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FBM-2330-6-2-2-B

NOMEN: TRAILER, TANK, POL, 12,000 LITERS, CP-12

PRODUCED/ADOPTED: ??

CATALOG: TB-331-5-22

LOL 6-2330-2-21

COUNTRY: CZECHOSLOVAKIA

DATE UPDATED: 20JUL73

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DATE CATALOGED: 01MAR69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2330-16-2-3-A

CATALOG: TB-381-5-22

NOMEN: SEMITRAILER/FULL TRAILER COMBINATION, TANK, PDL, 21000LITER, AF-200 (OLD 16-2330-2-3)

NATIVE DES: 3-ACHSER TANKAUFBAU BIS 21000LITER INHALT TYP AF-200
PRODUCED/ADOPTED: 7/

COUNTRY: WEST GERMANY
DATE UPDATED: 13SEP73

(U)THE AF-200 TRAILER COMBINATION IS DESIGNED TO SERVICE AIRCRAFT WITH FILTERED FUEL. THE TANK BODY IS A 21,000 LITER STEEL SHELL DIVIDED INTO FOUR COMPARTMENTS. EACH COMPARTMENT HAS A MANHOLE AND FILLER ASSEMBLY, DISCHARGE VALVE WITH SCREEN ASSEMBLY, AND A DRAIN PIPE. THE DRAIN PIPES LEAD TO A MANIFOLD IN AN EQUIPMENT COMPARTMENT AT THE REAR OF THE TANK BODY. THE COMPARTMENT HOUSES A METER, DISCHARGE VALVE, CONTROL ASSEMBLY, MANIFOLD AND VALVES, AND A CENTRIFUGAL DISPENSING PUMP. SUCTION AND DELIVERY HOSES ARE ALSO PROVIDED.

(U)THIS TANK TRAILER COMBINATION IS PRODUCED BY SCHWELMER EISENWERK, MULLER, AND CO., GMBH, SCHWELM, WEST GERMANY.

DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-16-2-3-A

NOMEN: SEMITRAILER/FULL TRAILER COMBINATION, TANK, POL, 21000LITER, AF-200

CATALOG: TB-381-5-22

COLD 16-2330-2-31

COUNTRY: WEST GERMANY

PRODUCED/ADOPTED: ?/

DATE UPDATED: 13SEP73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 8500
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 15,500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 24,000
 -GROSS, WATER ----- N/A

AXLE LOAD (KG)-

-EMPTY FRONT ----- ?
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- ?
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- 8000
 -LOADED REAR ON HWY -- 8000 EA

PERSONNEL LOAD (NR) ----- N/A

MAX TOWED LOAD (KG)-

-OFF HWY ----- N/A
 -ON HWY ----- N/A

MAX SEMITRAILER (KG)-

-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 11,300
 WIDTH O'ALL ----- 2500
 HEIGHT O'ALL ----- 2900
 CARGO SPACE-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES ----- ?

TREAD, C TO C-

-FRONT ----- ?
 -REAR ----- ?

WHEELBASE ----- 5300

GROUND CLEARANCE ----- 400

PINTLE HEIGHT ----- N/A

HGT TO C OF 5TH WHL -- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- N/A

TURNING RADIUS (MM) ----- N/A

FORDING DEPTH (MM) ----- ?

FUEL CONS, LOADED -

-ROAD (L/100KM) ----- ?
 -WATER (L/HR) ----- N/A

CRUISING RANGE (KM) LOADED -

-ROAD ----- N/A
 -WATER ----- N/A

MAX SPEED (KM/HR) LOADED -

-ROAD ----- N/A
 -WATER ----- N/A

ANGLE OF APPROACH (DEG) ----- ?

ANGLE OF DEPARTURE (DEG) ----- ?

VERTICAL OBSTACLE (MM) ----- ?

TRENCH CROSSING ABILITY(MM) ?

ENGINE:

MODEL ----- N/A
 TYPE ----- N/A
 MAX HP AT RPM ----- N/A
 MAX TORQUE (KGM) ---- N/A
 FUEL TYPE ----- N/A
 COOLING SYSTEM-TYPE - N/A
 BORE (MM) ----- N/A
 STROKE (MM) ----- N/A
 DISPLACEMENT (LITERS) N/A

FOM NR ----- N/A

GENERAL DATA:

TIRES-

-SIZE ----- 11.00 X 20
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?

FUEL CAP (LITERS)-

-MAIN TANK ----- N/A
 -AUX TANK ----- N/A

BRAKES-

-PRIMARY TYPE ----- PNEUMATIC, ALL WHEELS
 -PARKING TYPE ----- MECHANICAL

SUSPENSION SYSTEM-

-FRONT ----- SEMIELLIPTIC SPRINGS
 -REAR ----- SEMIELLIPTIC SPRINGS

TRANSMISSION-

-TYPE ----- N/A
 -NR SPEEDS FWD/RVSE - N/A

TRANSFER, NR SPEEDS --- N/A

LOCKING DIFFERENTIAL-

-MANUAL ----- N/A
 -AUTOMATIC ----- N/A

ELEC SYSTEM (VOLTS) --- 12 V

WINCH-TYPE ----- N/A

-CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 4
 LG X WD X HGT (MM)- 8200 2300 1200
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 21,000

PUMP:

TYPE ----- CENTRIFUGAL
 MODEL ----- ?
 SPEED RPM ----- ?
 CAPACITY (LITERS P/MIN) ----- ?

HOSES:

SUCTION HOSE LENGTH (M) ----- 4.5
 -DIAMETER (MM) ----- 76
 DELIVERY HOSE LENGTH (M) ----- 15
 -DIAMETER (MM) ----- 65
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

REMARKS:

NOTE: LUNETTE HEIGHT 800 MM

DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2330-16-2-3-B

NOMEN: SEMITRAILER/FULL TRAILER COMBINATION, TANK, POL, 21000LITER, AF-200

PRODUCED/ADOPTED: ?/

CATALOG: TB-381-5-22

(OLD 16-2330-2-3)

COUNTRY: WEST GERMANY

DATE UPDATED: 13SEP73

NO PICTURE AVAILABLE

DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-16-2-3-B

NOMEN: SEMITRAILER/FULL TRAILER COMBINATION, TANK, POL, 21000LITER, AF-200

CATALOG: T8-381-5-22
(OLD 16-2330-2-3)
COUNTRY: WEST GERMANY
DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: ?/

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DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-17-1-1-A

CATALOG: TB-381-5-22

NOMEN: SEMITRAILER, 17-TON, CODER, GM-2E-1750

(OLD 17-2330-1-1)

NATIVE DES: SEMI-REMORQUE 17-T, GM-2E-1750

COUNTRY: FRANCE

PRODUCED/ADOPTED: 1962 TO DATE

DATE UPDATED: 08AUG73

(THE CODER GM-2E-1750 SEMITRAILER WAS DEVELOPED BY THE CODER ESTABLISHMENT, MARSEILLES, FOR TRANSPORTING HEAVY VEHICLES AND EQUIPMENT. THE CODER NORMALLY IS TOWED BY THE T8U-15 "BERCIET", 6 X 6, TRUCK-TRACTOR (FOM-2320-17-5-4). THIS SEMITRAILER HAS A MAXIMUM DESIGN CAPACITY OF 19 METRIC TONS; HOWEVER, 17 TONS IS THE RECOMMENDED PAYLOAD CAPACITY. IF THE PAYLOAD EXCEEDS THE MAXIMUM 19 METRIC TONS DESIGN LOAD, THE TRAILER-DOLLY (AVT-135) MUST BE USED, THEREBY CONVERTING THE SEMITRAILER INTO A FULL TRAILER. EQUIPPED WITH THE AVT-135 FRONT DOLLY THE GM-2E-1750 CAN BE PULLED BY ANY VEHICLE HAVING ADEQUATE POWER AND THE NECESSARY CONNECTIONS FOR COMPRESSED AIR AND ELECTRICITY.

DATE CATALOGED: 01MAR70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-17-1-1-A
 NOMEN: SEMITRAILER, 17-TON, CODER, GM-2E-1750

CATALOG: TR-381-5-22
 (OLD 17-2330-1-1)
 COUNTRY: FRANCE
 DATE UPDATED: 08AUG73

PRODUCED/ADOPTED: 1962 TO DATE

TOWING VEHICLE: --- TRUCK, TRACTOR, 6X6, 6-TON
 --- BERLIET T8U-15

SUSPENSION:

TYPE-

--- FRONT --- N/A

--- REAR --- SEMIELLIPTIC SPRINGS W/AUX.
 --- SPRINGS

PHYSICAL DATA:

WEIGHT (KG)-

--- GROSS --- 26,010

--- NET W/DOLLY --- ?

--- NET W/O DOLLY --- 9010

PAYLOAD (KG) --- *1

AXLELOAD (KG)-

--- FRONT LOADED --- *2

--- REAR LOADED --- 8,720

WHEELBASE (MM) --- ?

ROAD WHEELS (NR) --- 8 REAR (DUALS)

TIRE SIZE-

--- FRONT --- N/A

--- REAR --- 12.00 X 20

TREAD-C TO C (MM)-

--- FRONT --- 1950

--- REAR --- 1950

LENGTH O/ALL (MM)-

--- W/DOLLY --- ?

--- W/O DOLLY --- *3

WIDTH O/ALL (MM) --- 2650

HEIGHT O/ALL (MM) --- *4

LOADING HGT (MM) --- ?

LUNETTE HGT (MM) --- N/A

FIFTH WHEEL-

--- TYPE --- ?

--- SIZE --- ?

--- HEIGHT (MM) --- *5

LANDING GEAR-TYPE JACKS

BRAKES:

SERVICE --- AIR

PARKING --- MECHANICAL - REAR WHEELS

CARGO BODY:

TYPE --- LOW-BED

MATERIAL --- STEEL

LENGTH (MM) - 4910 (USABLE)

WIDTH (MM) - 2590 (USABLE)

HEIGHT (MM) -

--- W/BOWS --- N/A

--- W/O BOWS --- ?

REMARKS:

- 1/ PAYLOAD (17,000 KG). LOAD MUST NOT EXCEED THE MAX. DESIGNED LOADING OF 17,240 KG (19,000 KG) W/O SUPPORT OF DOLLY (AUT-135).
- 2/ VERTICAL LOADING ON FIFTH WHEEL: 8,580 KG
- 3/ RAMPS UP: 9540 MM (W/TOWING VEHICLE, 14230 MM)
 RAMPS DOWN: 11704 MM (W/TOWING VEHICLE, 53.8 FT)
- 4/ RAMPS UP: 3110 MM RAMPS DOWN: 2290 MM
- 5/ 1650 MM (EMPTY) 1550 (LOADED)

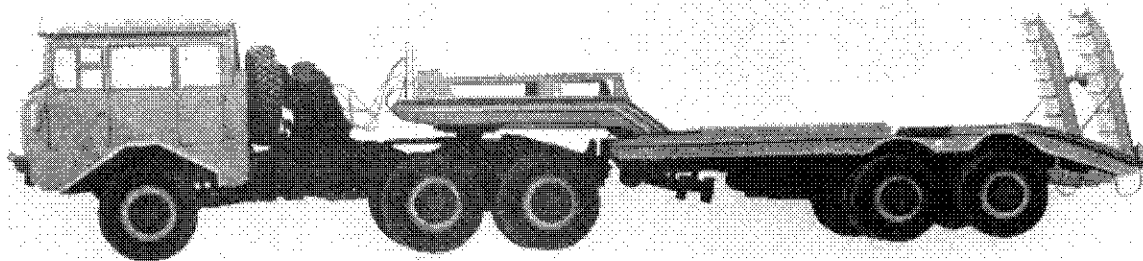
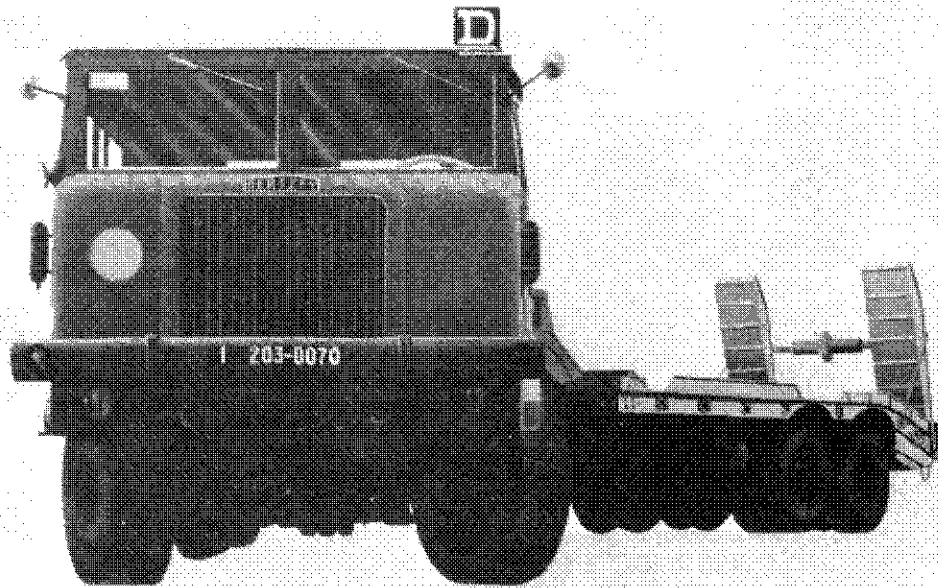
DATE CATALOGED: 01MAR70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2330-17-1-1-B
NOMEN: SEMITRAILER, 17-TON, CODER, GM-2E-1750
PRODUCED/ADOPTED: 1962 TO DATE

CATALOG: TB-381-5-22
(DLO 17-2330-1-1)
COUNTRY: FRANCE
DATE UPDATED: 08AUG73



DATE CATALOGED: 01MAR70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-17-1-1-B
NOMEN: SEMITRAILER, 17-TON, CODER, GM-2E-1750

CATALOG: TB-381-5-22
(OLD 17-2330-1-1)
COUNTRY: FRANCE
DATE UPDATED: 08AUG73

PRODUCED/ADOPTED: 1962 TO DATE

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DATE CATALOGED: 01MAR70
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2330-17-2-1-A

CATALOG: TB-391-5-22

NOMEN: SEMITRAILER, TANK, POL, 29,900 LITERS, JM 200 TPE

(OLD 17-2330-2-1)

NATIVE DES: JM 200 TPE TRACTEUR PETROLIER RAVITAILLEUR
PRODUCED/ADOPTED: 1967 TO ?/

COUNTRY: FRANCE
DATE UPDATED: 20JUL73

(U)THE JM 200 TPE IS DESIGNED TO TRANSPORT LIQUID POL PRODUCTS AND TO PROVIDE FILTERED FUEL TO AIRCRAFT. EQUIPMENT INCLUDES A FUEL FILTER, METER, LEVEL INDICATOR, CONTROL VALVES, SUCTION AND DELIVERY HOSES, AND A DISPENSING PUMP POWERED BY THE TRUCK'S TRANSMISSION.

(U)THE TANK BODY IS DIVIDED INTO TWO COMPARTMENTS; EACH COMPARTMENT HAS A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP.

(U)PRODUCED BY SAVIEM, THE JM 200 TPE IS IN SERIES PRODUCTION FOR THE FRENCH ARMY PETROLEUM SERVICE.

DATE CATALOGED: 01SEP68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-17-2-1-A
 NOMEN: SEMITRAILER, TANK, PUL, 29,900 LITERS, JM 200 TPE

CATALOG: TB-381-5-22
 (OLD 17-2330-2-1)
 COUNTRY: FRANCE
 DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: 1967 TO: ??

PHYSICAL DATA:

WEIGHT (KG):-
 -CURB ----- ?
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- ?
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- ?
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG):-
 -EMPTY FRONT ----- N/A
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY -- N/A
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- N/A
 -LOADED REAR ON HWY --- ?
 PERSONNEL LOAD (NR) --- N/A
 MAX TOWED LOAD (KG):-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG):-
 -GROSS ----- N/A

VECHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- ?
 WIDTH O/ALL ----- ?
 HEIGHT O/ALL ----- ?
 CARGO SPACE:-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C:-
 -FRONT ----- N/A
 -REAR ----- ?
 WHEELBASE ----- N/A
 GROUND CLEARANCE ----- ?
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL --- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- N/A
 TURNING RADIUS (MM) ----- N/A
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- N/A
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- N/A
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- N/A
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) --- N/A
 ANGLE OF DEPARTURE (DEG) --- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

ENGINE:

MODEL ----- N/A
 TYPE ----- N/A
 MAX HP AT RPM ----- N/A
 MAX TORQUE (KGM) ----- N/A
 FUEL TYPE ----- N/A
 COOLING SYSTEM-TYPE - N/A
 BORE (MM) ----- N/A
 STROKE (MM) ----- N/A
 DISPLACEMENT (LITERS) N/A

FOM NR ----- N/A

GENERAL DATA:

TIRES:-
 -SIZE ----- ?
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS):-
 -MAIN TANK ----- N/A
 -AUX TANK ----- N/A
 BRAKES:-
 -PRIMARY TYPE ----- PNEUMATIC
 -PARKING TYPE ----- MECHANICAL
 SUSPENSION SYSTEM:-
 -FRONT ----- N/A
 -REAR ----- ?
 TRANSMISSION:-
 -TYPE ----- N/A
 -NR SPEEDS FWD/RVSE - N/A
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL:-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- ?
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- ?
 LG X WD X HGT (MM) - ?
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERS) - 29,900

PUMP:

TYPE ----- ?
 MODEL ----- ?
 SPEED RPM ----- ?
 CAPACITY (LITERS P/MIN) ----- 1000

HOSES:

SUCTION HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- ?
 DELIVERY HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- ?
 AUX DELIVERY HOSE LGTH (M) --- ?
 -DIAMETER (MM) ----- ?

REMARKS:

NOTE: TOWING VEHICLE: SAVIEM JM 200

DATE CATALOGED: 01SEP68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-17-2-1-B

NOMEN: SEMITRAILER, TANK, POL, 29,900 LITERS, JM 200 TPE

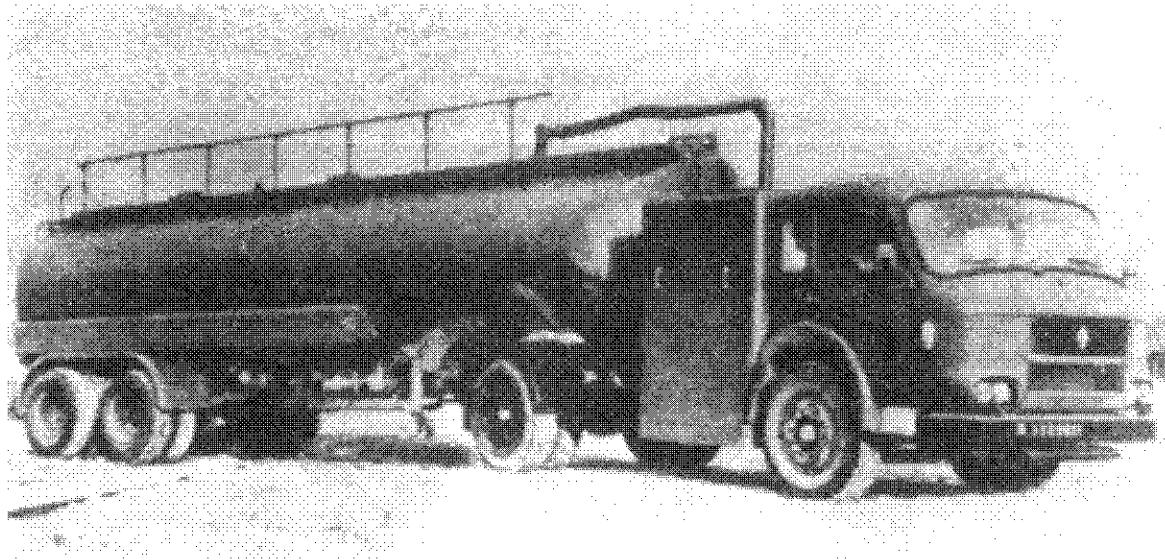
PRODUCED/ADOPTED: 1967 TO 77

CATALOG: TB-381-5-22

(OLD 17-2330-2-1)

COUNTRY: FRANCE

DATE UPDATED: 20JUL73



DATE CATALOGED: 01SEP68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-17-2-1-8

NOMEN: SEMITRAILER, TANK, POL, 29,900 LITERS, JM 200 TPE

PRODUCED/ADOPTED: 1967 TO 77

CATALOG: TB-381-5-22
(OLD 17-2330-2-1)
COUNTRY: FRANCE
DATE UPDATED: 20JUL73

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DATE CATALOGED: 01SEP68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOH-2330-30-2-1-A

CATALOG: TR-381-5-22

NOMEN: SEMITRAILER, TANK, POL, 15,000 LITERS, TS-57TF-4

(OLD 30-2330-2-1)

NATIVE DES: ?
PRODUCED/ADOPTED: ?/

COUNTRY: JAPAN
DATE UPDATED: 06SEP73

(U)PRODUCED BY TOKYU SHARYO SEIZO, JAPAN. THE TS-57TF-4 IS A FUEL SERVICE SEMITRAILER DESIGNED TO TRANSPORT LIQUID POL PRODUCTS OVER LONG DISTANCES, AND IS USED PRIMARILY TO SERVICE AIRCRAFT WITH FILTERED FUEL. THE TANK BODY IS DIVIDED INTO SEVERAL COMPARTMENTS, EACH HAVING A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP. A CABINET IN THE REAR OF THE TANK BODY HOUSES A FUEL FILTER, METER, LEVEL INDICATOR, CONTROL VALVES, AND PUMP. HOSES ARE CARRIED IN SINGLE METAL TUBES WELDED TO THE SIDE OF THE TANK BODY.

DATE CATALOGED: 01SEP68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2330-30-2-1-A
 NOMEN: SEMITRAILER, TANK, POL, 15,000 LITERS; TS-57TF-4

CATALOG: TS-381-5-22
 (OLD 30-2330-2-1)
 COUNTRY: JAPAN
 DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: ??

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 9910
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 12,500
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 22,410
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- N/A
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY ----- N/A
 -LOADED REAR OFF HWY ----- ?
 -LOADED FRONT ON HWY ----- N/A
 -LOADED REAR ON HWY ----- ?
 PERSONNEL LOAD (NR) ----- N/A
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 9600
 WIDTH O'ALL ----- 2400
 HEIGHT O'ALL ----- 2700
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- N/A
 -REAR ----- ?
 WHEELBASE ----- N/A
 GROUND CLEARANCE ----- ?
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL ----- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- N/A
 TURNING RADIUS (MM) ----- N/A
 FORDING DEPTH (MM) ----- ?
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- N/A
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- N/A
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- N/A
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ----- N/A
 ANGLE OF DEPARTURE (DEG) ----- ?
 VERTICAL OBSTACLE (MM) ----- ?
 TRENCH CROSSING ABILITY (MM) ?

REMARKS:

ENGINE:

MODEL ----- N/A
 TYPE ----- N/A
 MAX HP AT RPM ----- N/A
 MAX TORQUE (KGM) ----- N/A
 FUEL TYPE ----- N/A
 COOLING SYSTEM-TYPE ----- N/A
 BORE (MM) ----- N/A
 STROKE (MM) ----- N/A
 DISPLACEMENT (LITERS) N/A
 FGM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- ?
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) ----- ?
 -INFLATION SYSTEM ----- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- N/A
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- ?
 -PARKING TYPE ----- ?
 SUSPENSION SYSTEM-
 -FRONT ----- ?
 -REAR ----- ?
 TRANSMISSION-
 -TYPE ----- N/A
 -NR SPEEDS FWD/RVSE ----- N/A
 TRANSFER, NR SPEEDS ----- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) ----- ?
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) ----- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS ----- ?
 LG X WD X HGT (MM) ----- ?
 WEIGHT-EMPTY (KG) ----- ?
 CAPACITY (LITERS) ----- 15,000

PUMP:

TYPE ----- ?
 MODEL ----- ?
 SPEED RPM ----- ?
 CAPACITY (LITERS P/MIN) ----- 1700

HOSES:

SUCTION HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- ?
 DELIVERY HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- ?
 AUX DELIVERY HOSE LGTH (M) ----- ?
 -DIAMETER (MM) ----- ?

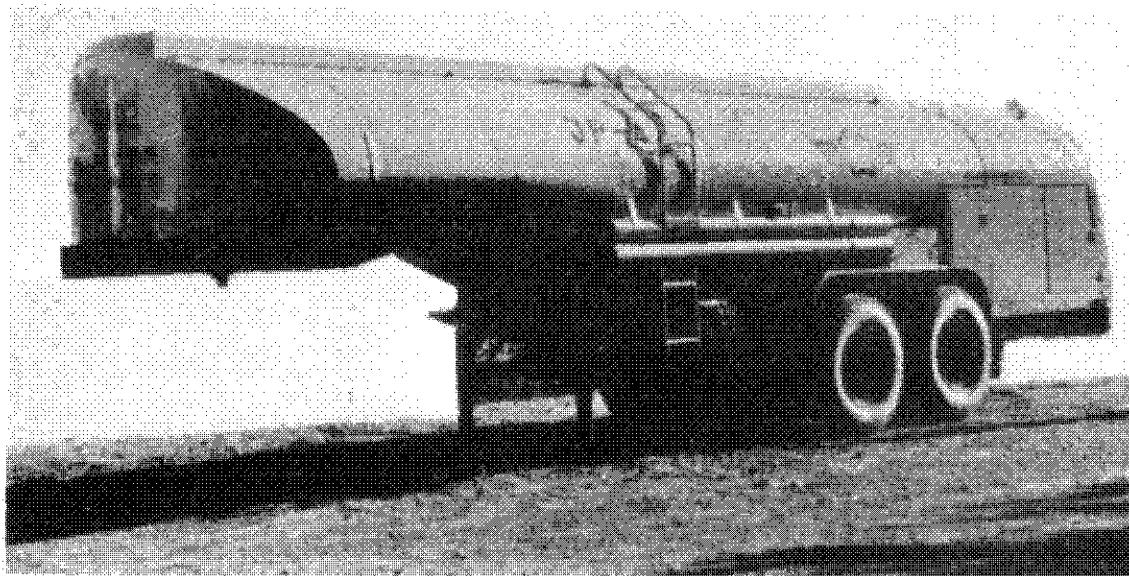
DATE CATALOGED: 01SEP68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2330-30-2-1-8
NOMEN: SEMITRAILER, TANK, POL, 15,000 LITERS, TS-57TF-4
PRODUCED/ADOPTED: ??

CATALOG: TS-381-5-22
(OLD 30-2330-2-1)
COUNTRY: JAPAN
DATE UPDATED: 06SEP73



DATE CATALOGED: 01SEP68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2330-30-2-1-B

NOMEN: SEMITRAILER, TANK, POL, 15,000 LITERS, TS-57TF-4

PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22

(OLD 30-2330-2-1)

COUNTRY: JAPAN

DATE UPDATED: 06SEP73

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DATE CATALOGED: 01SEP68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-30-2-2-A

CATALOG: TB-381-S-22

NOMEN: SEMITRAILER, TANK, POL, 10,000-LITERS, MODEL 7

(OLD 30-2330-2-2)

NATIVE DES: ?

COUNTRY: JAPAN

PRODUCED/ADOPTED: 7/

DATE UPDATED: 20JUL73

(U)PRODUCED BY NICHIIYA AUTOMOBILE CO., JAPAN, THIS FUEL SERVICE SEMITRAILER IS DESIGNED TO TRANSPORT AVIATION FUELS OVER LONG DISTANCES, AND IS USED PRIMARILY TO SERVICE JET AIRCRAFT WITH JP-4 FUEL. THE TANK BODY IS MADE OF STEEL AND IS DIVIDED INTO THREE COMPARTMENTS: EACH COMPARTMENT HAS A MANHOLE AND FILLER COVER ASSEMBLY AT THE TOP. IT IS EQUIPPED WITH A FILTER, METER, LEVEL INDICATOR, CONTROL VALVES, HOSES AND DISPENSING PUMP. THE DISPENSING PUMP CAN DELIVER FUEL AT 600 LITERS PER MINUTE.

DATE CATALOGED: 01NOV72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-30-2-2-A
 NOMEN: SEMITRAILER, TANK, POL, 10,000-LITERS, MODEL 2

CATALOG: T8-381-5-22
 OLD 30-2330-2-21
 COUNTRY: JAPAN
 DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: ??

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 10,300
 -PAYLOAD OFF HWY ----- ?
 -PAYLOAD ON HWY ----- 7700
 -PAYLOAD, WATER ----- N/A
 -GROSS OFF HWY ----- ?
 -GROSS ON HWY ----- 18,000
 -GROSS, WATER ----- N/A
 AXLE LOAD (KG)-
 -EMPTY FRONT ----- N/A
 -EMPTY REAR ----- ?
 -LOADED FRONT OFF HWY - N/A
 -LOADED REAR OFF HWY -- ?
 -LOADED FRONT ON HWY -- N/A
 -LOADED REAR ON HWY --- ?
 PERSONNEL LOAD (NR) ----- N/A
 MAX TOWED LOAD (KG)-
 -OFF HWY ----- N/A
 -ON HWY ----- N/A
 MAX SEMITRAILER (KG)-
 -GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 8850
 WIDTH O'ALL ----- 2490
 HEIGHT O'ALL ----- 2900
 CARGO SPACE-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES ----- N/A
 TREAD, C TO C-
 -FRONT ----- N/A
 -REAR ----- ?
 WHEELBASE ----- N/A
 GROUND CLEARANCE ----- ?
 PINTLE HEIGHT ----- N/A
 HGT TO C OF 5TH WHL --- ?

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- N/A
 TURNING RADIUS (MM) ----- N/A
 FORDING DEPTH (MM) ----- N/A
 FUEL CONS, LOADED -
 -ROAD (L/100KM) ----- N/A
 -WATER (L/HR) ----- N/A
 CRUISING RANGE (KM) LOADED -
 -ROAD ----- N/A
 -WATER ----- N/A
 MAX SPEED (KM/HR) LOADED -
 -ROAD ----- N/A
 -WATER ----- N/A
 ANGLE OF APPROACH (DEG) ---- N/A
 ANGLE OF DEPARTURE (DEG) --- N/A
 VERTICAL OBSTACLE (MM) ----- N/A
 TRENCH CROSSING ABILITY(MM) N/A

REMARKS:

ENGINE:

MODEL ----- N/A
 TYPE ----- N/A
 MAX HP AT RPM ----- N/A
 MAX TORQUE (KGM) ----- N/A
 FUEL TYPE ----- N/A
 COOLING SYSTEM-TYPE - N/A
 BORE (MM) ----- N/A
 STROKE (MM) ----- N/A
 DISPLACEMENT (LITERS) N/A

FOM NR ----- N/A

GENERAL DATA:

TIRES-
 -SIZE ----- ?
 -PLY ----- ?
 -TYPE ----- ?
 -LOADED RADIUS (MM) - ?
 -INFLATION SYSTEM --- ?
 FUEL CAP (LITERS)-
 -MAIN TANK ----- N/A
 -AUX TANK ----- N/A
 BRAKES-
 -PRIMARY TYPE ----- PNEUMATIC
 -PARKING TYPE ----- ?
 SUSPENSION SYSTEM-
 -FRONT ----- N/A
 -REAR ----- SEMIELLIPTIC SPGS
 TRANSMISSION-
 -TYPE ----- N/A
 -NR SPEEDS FWD/RVSE - N/A
 TRANSFER, NR SPEEDS --- N/A
 LOCKING DIFFERENTIAL-
 -MANUAL ----- N/A
 -AUTOMATIC ----- N/A
 ELEC SYSTEM (VOLTS) --- ?
 WINCH-TYPE ----- N/A
 -CAPACITY (KG) ----- N/A
 -CABLE LENGTH (MM) -- N/A

TANK BODY:

MATERIAL ----- STEEL
 NR COMPARTMENTS --- 3
 LG X WD X HGT (MM)- ?
 WEIGHT-EMPTY (KG) - ?
 CAPACITY (LITERSE) - 10,000

PUMP:

TYPE ----- CENTRIFUGAL
 MODEL ----- ?
 SPEED RPM ----- ?
 CAPACITY (LITERS P/MIN) -----

HOSES:

SUCTION HOSE LENGTH (M) ----- 2 & 4 EA
 -DIAMETER (MM) ----- 76
 DELIVERY HOSE LENGTH (M) ----- ?
 -DIAMETER (MM) ----- ?
 AUX DELIVERY HOSE LGTH (M) -- N/A
 -DIAMETER (MM) ----- N/A

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U N C L A S S I F I E D

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FOH-2330-30-2-2-8

NOMEN: SEMITRAILER, TANK, POL, 10,000-LITERS, MODEL ?

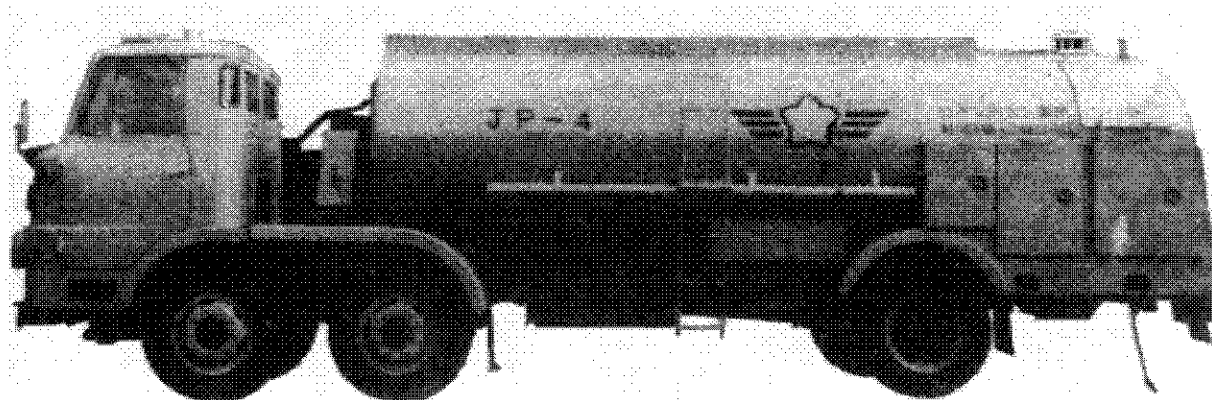
PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22

(OLD 30-2330-2-21)

COUNTRY: JAPAN

DATE UPDATED: 20JUL73



DATE CATALOGED: 01NOV72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-30-2-2-B

NOMEN: SEMITRAILER, TANK, POL, 10,000-LITERS, MODEL ?

PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22

(OLO 30-2330-2-2)

COUNTRY: JAPAN

DATE UPDATED: 20 JUL 73

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DATE CATALOGED: 01NOV72
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U N C L A S S I F I E D

FORM-2330-35-1-10-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: TRAILER 1-TON 2-WHEEL POWERED AXLE MK II

(OLD 35-2330-1-101

NATIVE DES:

COUNTRY: UNITED KINGDOM

PRODUCED/ADOPTED: 1965-DATE/

DATE UPDATED: 13SEP73

(U)THE SCOTTORN BUSHMASTER MK II POWERED-AXLE TRAILER, PRODUCED BY SCOTTORN TRAILERS LTD., OF ENGLAND, INTRODUCES A NEW CONCEPT IN CROSS-COUNTRY MOBILITY FOR WHEELED VEHICLES. BY A SIMPLE CONVERSION TO ANY LAND ROVER (EXCEPT THE 80 IN WHEELBASE), CONSISTING OF A DRIVE SPLITTER BOX AND A SERIES OF TRANSMISSION SHAFTS, DRIVE TO THE TRAILER WHEELS AS WELL AS THE VEHICLE WHEELS CAN BE PROVIDED. THE DRIVER THUS SELECTS TWO-, FOUR-, OR SIX-WHEEL DRIVE TO SUIT THE TERRAIN.

(U)THE LAND ROVER BUSHMASTER COMBINATION CAN CARRY A LOAD OF 1 3/4-TONS OVER PROBLEM TERRAIN THAT WOULD NORMALLY BE NEGOTIABLE ONLY BY A SOLO VEHICLE. IT IS AT ITS BEST ON MUD, SAND, SNOW, AND LOOSE SURFACED GRADIENTS.

(U)SINCE THE COMBINATION CAN BE DRIVEN BY ALL SIX WHEELS IT CAN OUTPERFORM A LAND ROVER CONVENTIONAL TRAILER COMBINATION. THE SIX DRIVEN WHEELS PROVIDE MAXIMUM "FLOTATION" ON LOOSE SURFACES AND BOGGING DOWN IS THEREFORE AVOIDED.

(U)THE NORMAL CAUSE OF VEHICLES LOSING TRACTION IS EXCESSIVE TORQUE ON ONE OR THE OTHER OF THE WHEELS. THE SIX WHEEL DRIVE ARRANGEMENT GREATLY REDUCES THE CHANCES OF THIS HAPPENING, AS LESS EFFORT IS REQUIRED OF EACH WHEEL.

DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-35-1-10-A

NOMEN: TRAILER 1-TON 2-WHEEL POWERED AXLE MK II

PRODUCED/ADOPTED: 1965-DATE/

CATALOG: T8-381-5-22
 (OLD 35-2330-1-10)
 COUNTRY: UNITED KINGDOM
 DATE UPDATED: 13SEP73

TOWING VEHICLE: ---

SUSPENSION:

TYPE-

-FRONT --- SEMIELLIPTIC LEAF SPRINGS W/ACON
 - HOLLOW RUBBER HELPER SPRINGS
 -REAR ---- N/A

PHYSICAL DATA:

WEIGHT (KG)-

-GROSS ----- 1445
 -NET W/DOLLY ---- N/A
 -NET W/O DOLLY --- 445
 PAYLOAD (KG) ----- 1,000

AXLELOAD (KG)-

-FRONT LOADED ---- 1445
 -REAR LOADED ---- N/A

WHEELBASE (MM) ----- N/A

ROAD WHEELS (INR) --- *3

TIRE SIZE-

-FRONT ----- 7.50 X 16
 -REAR ----- N/A

TREAD-C TO C (MM)-

-FRONT ----- 1308
 -REAR ----- N/A

LENGTH O/ALL (MM)-

-W/DOLLY ----- N/A
 -W/O DOLLY ----- 3073

WIDTH O/ALL (MM) --- 1625

HEIGHT O/ALL (MM) -- 1190

LOADING HGT (MM) --- ?

LUNETTE HGT (MM) --- ?

FIFTH WHEEL-

-TYPE ----- N/A
 -SIZE ----- N/A

-HEIGHT (MM) ----- N/A

LANDING GEAR-TYPE *1

BRAKES:

SERVICE ---- *2

PARKING ---- MECHANICAL HANDBRAKE INDEPENDENT
 - OF TOWING VEHICLE.

CARGO BODY:

TYPE ----- FLAT-BED W/TAILOGATE

MATERIAL --- WELDED STEEL

LENGTH (MM)- 2070

WIDTH (MM) - 1500

HEIGHT (MM)-

-W/BOWS -- ?

-W/O BOWS- ?

REMARKS:

1/ STABILIZING JACK LEGS, ONE AT FRONT

TWO AT REAR

2/ OVERRUN MECHANICAL OPERATIONAL

ABOVE A PRESET DRAWBAR THRUST

TO PREVENT "HUNTING", LOCKOUT DEVICE

FOR REVERSING AND TRAILER DRIVE MODE

VACUUM SYSTEM OPTIONAL.

3/ 2 COMPATABLE WITH TOWING VEH.

DATE CATALOGED:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2330-35-1-10-8

NOMEN: TRAILER 1-TON 2-WHEEL POWERED AXLE MK II

PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-5-22

(OLD 35-2330-1-10)

COUNTRY: UNITED KINGDOM

DATE UPDATED: 13SEP73

NO PICTURE AVAILABLE

DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2330-35-1-10-8

NOMEN: TRAILER 1-TON 2-WHEEL POWERED AXLE MK II

PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-5-22

ICLD 35-2330-1-101

COUNTRY: UNITED KINGDOM

DATE UPDATED: 13SEP73

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DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2340-16-1-5-A

CATALOG: T8-381-5-22

NOMEN: MOTORCYCLE, SOLO, HERCULES, K 125 BW (MILITARY)

(OLD 16-2340-1-5)

NATIVE DES: BUNDESWEHR-KRAD HERCULES K 125 BW

COUNTRY: WEST GERMANY

PRODUCED/ADOPTED: 1972-DATE/

DATE UPDATED: 13SEP73

(U)HERCULES, A WEST GERMAN COMPANY, HAS DEVELOPED A NEW MOTORCYCLE FOR MILITARY USE, THE K 125 BW (MILITARY). THIS LIGHTWEIGHT MOTORCYCLE REPLACES THE 75-KILOGRAM MAICO M 250/B MOTORCYCLE WHICH WAS DEVELOPED FROM THE CROSS-COUNTRY SPORT MOTORCYCLE K 125 GS. THE M 250/B HAS BEEN USED BY THE FEDERAL REPUBLIC OF GERMANY (FRG) ARMED FORCES SINCE 1970. THE K 125 BW HAS A WELDED TUBULAR STEEL FRAME WITH FLEXIBLE FORK AND IS EQUIPPED WITH A 125 CM3 SACHS 2-STROKE GASOLINE ENGINE WITH AN OUTPUT OF 12.5 HORSEPOWER AND A 5-SPEED TRANSMISSION.

DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2340-16-1-5-A
 NOMEN: MOTORCYCLE, SOLO, HERCULES, X 125 BW (MILITARY)

CATALOG: TB-381-5-22
 (OLD 16-2340-1-5)
 COUNTRY: WEST GERMANY
 DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: 1972-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 130
 -GROSS ----- 300
 PERSONNEL LOAD --- 2 MAX
 FRAME ----- *1
 HANDLEBARS ----- *2

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 2035
 WIDTH O'ALL ----- 930
 HGT OF HANDLEBARS- 1060
 WHEELBASE ----- 1295
 SEAT HGT ----- 810
 GROUND CLEARANCE - 150

PERFORMANCE:

MAX GRADIENT (PCT) ----- 55
 FUEL CONS (L/100KM) ----- 5
 CRUISING RANGE (KM) ----- 300
 MAX ROAD SPEED (KM/HR) --- 100

ENGINE:

TYPE ----- *3
 NR OF CYLINDERS ----- 1
 BORE AND STROKE (MM) --- 54 X 54
 DISPLACEMENT (LITERS) --- 122
 COMPRESSION RATIO ----- 9:1
 MAX HP AT RPM ----- 12.5 @ 7000
 MAX TORQUE AT RPM (KG) - 19 @ 6500 (FT LB)
 IGNITION ----- SPARK
 CARBURETION ----- *4
 LUBRICATION ----- ?

GENERAL DATA:

TIRES-
 -FRONT ----- 3.25 X 18 CROSS COUNTRY
 -REAR ----- 3.50 X 18 CROSS COUNTRY
 BRAKE-TYPE-
 -FRONT ----- MECH. INNER SHOE
 -REAR ----- MECH. INNER SHOE
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 15 LITER
 -RESERVE TANK ----- 2 LITER
 SUSPENSION-
 -FRONT ----- SPRING ARMS, 14 CM TRAVEL
 -REAR ----- *5
 TRANSMISSION-
 -TYPE ----- MANUAL
 -NR OF SPEEDS ----- 5
 CLUTCH ----- MULT DISC OIL BATH
 DRIVE ----- CHAIN
 ELEC SYSTEM ----- 6V
 GENERATOR ----- *6
 STARTING SYSTEM ----- KICK STARTER

REMARKS:

1/ WELDED CENTRAL TUBULAR FRAME, UNDERBODY MOLDED
 2/ CROSS COUNTRY W/CROSS STRUT.
 3/ SACHS 1251/58, 2 STROKE, AIRCOOLED, GASOLINE
 4/ ONE PISTON CARB W/STARTING DEVICE
 5/ LONG SWING W/HYDRAULICALLY DAMPED SPRING
 ARMS, 10 CM TRAVEL
 6/ BOSCH MAGNETO GENERATOR (FLYWHEEL
 LIGHT MAGNETO) 35/5/18W

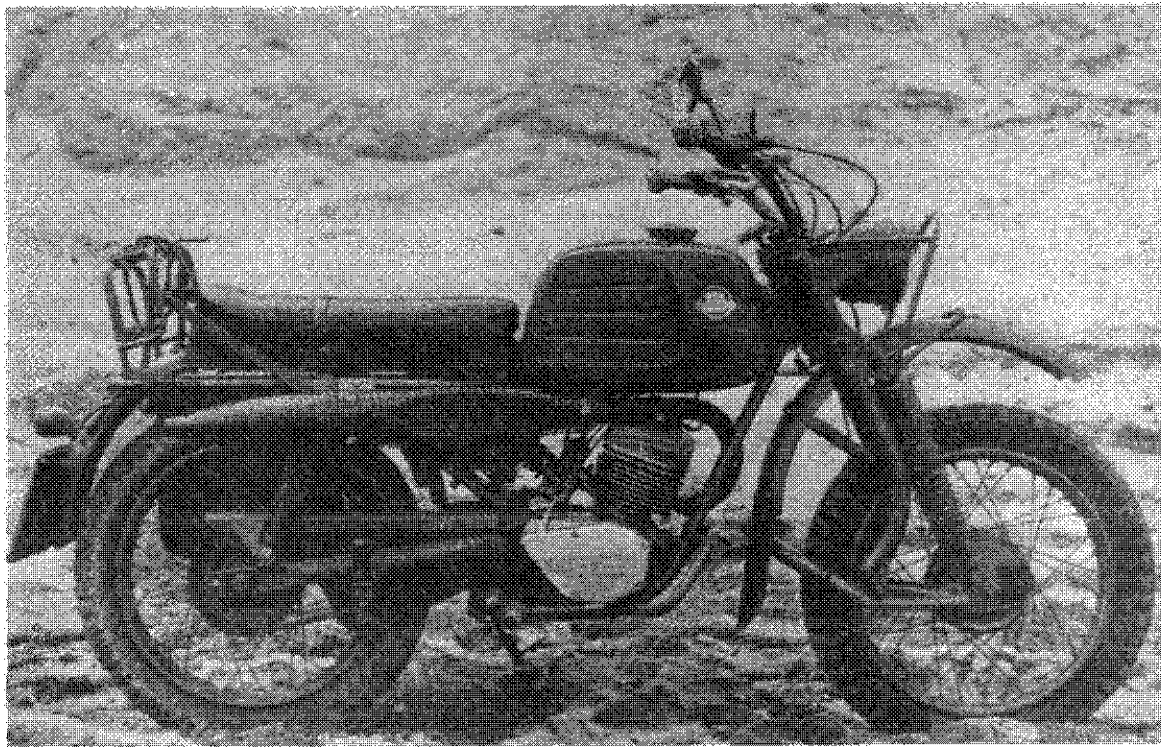
DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2340-16-1-5-B
NOMEN: MOTORCYCLE, SOLD, HERCULES, K 125 BW (MILITARY)
PRODUCED/ADOPTED: 1972-DATÉ/

CATALOG: T6-381-5-22
(OLD: 16-2340-1-5)
COUNTRY: WEST GERMANY
DATE UPDATED: 13SEP73



DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FQM-2340-16-1-5-8

NOMEN: MOTORCYCLE, SOLO, HERCULES, K 125 BW (MILITARY)

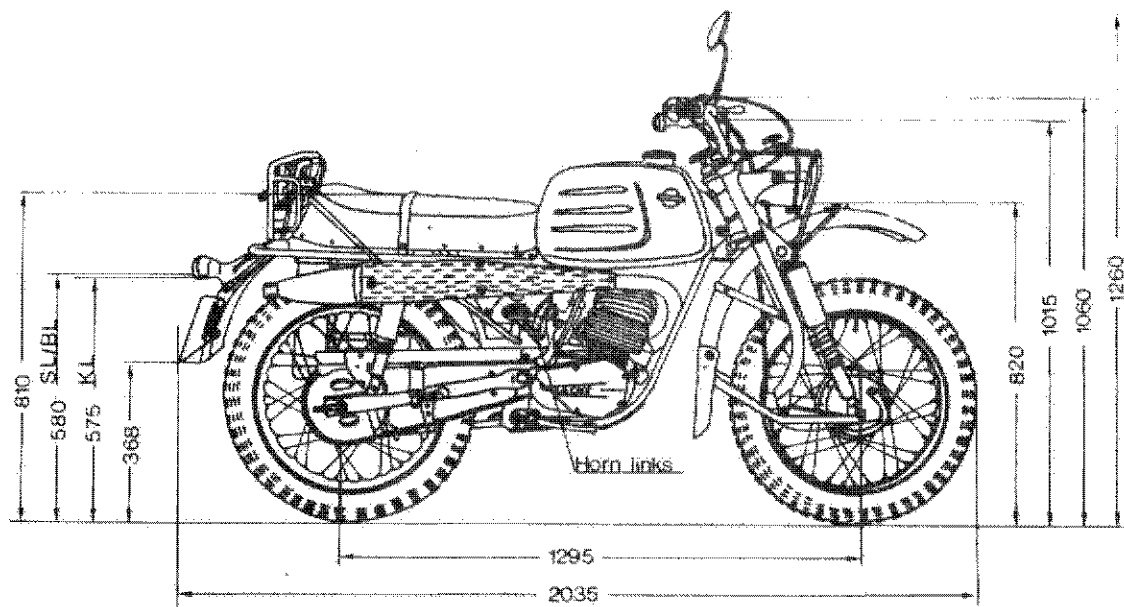
PRODUCED/ADOPTED: 1972-DATE/

CATALOG: TB-381-5-22

(OLD 16-2340-1-5)

COUNTRY: WEST GERMANY

DATE UPDATED: 13SEP73



DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2340-30-1-1-A

CATALOG: T8-381-5-22

NOMEN: MOTORCYCLE, SOLD, HONDA, CB 350 "DREAM"

(OLD 30-2340-1-1)

NATIVE DES: ?

COUNTRY: JAPAN

PRODUCED/ADOPTED: 1965-DATE/

DATE UPDATED: 30AUG73

(U)THE JAPANESE GROUND SELF-DEFENSE FORCE EMPLOYS THE COMMERCIAL HONDA 350 "DREAM" MOTORCYCLE IN RECONNAISSANCE AND MILITARY POLICE UNITS FOR RECONNAISSANCE, TRAFFIC/CONVOY CONTROL AND MESSENGER SERVICE. THIS MOTORCYCLE WAS FIRST INTRODUCED INTO THE MILITARY SERVICE 6 OR 7 YEARS AGO.

(U)ITS LIGHTWEIGHT PIPE FRAME IS STRENGTHENED BY A PRESSED STEEL BACKBONE BENEATH THE TANK AND SEAT TO KEEP THE WEIGHT DOWN YET GIVE THE SOLID RIGIDITY NEEDED FOR ROAD HOLDING AND HIGH SPEED CORNERING. ITS PUSH-BUTTON STARTED 4-STROKE TWIN ENGINE HAS AN OVERHEAD CAMSHAFT.

DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2340-30-1-1-A
 NOMEN: MOTORCYCLE, SOLO, HONDA, CB 350 "DREAM"

CATALOG: TB-381-5-22
 (OLD 30-2340-1-1)
 COUNTRY: JAPAN
 DATE UPDATED: 30AUG73

PRODUCED/ADAPTED: 1965-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 178
 -GRUSS ----- 328
 PERSONNEL LOAD --- 2
 FRAME ----- *1
 HANDLEBARS ----- 7

VEHICLE DIMENSIONS (MM):

LENGTH O'ALL ----- 2045
 WIDTH O'ALL ----- 860
 HGT OF HANDLEBARS- 1070
 WHEELBASE ----- 1320
 SEAT HGT ----- 7
 GROUND CLEARANCE - 155

PERFORMANCE:

MAX GRADIENT (PCT) ----- 7
 FUEL CONS (L/100KM) ----- 0.06
 CRUISING RANGE (KM) ----- 200
 MAX ROAD SPEED (KM/HR) -- 155

ENGINE:

TYPE ----- CB 350 E OHC AIR COOLE
 NR OF CYLINDERS ----- PARALLEL TWIN 4 STROKE
 BORE AND STROKE (MM) ---- 64 X 50.6
 DISPLACEMENT (LITERS) --- 0.350
 COMPRESSION RATIO ----- 9.5:1
 MAX HP AT RPM ----- 36 AT 10,500
 MAX TORQUE AT RPM (KGM) - ?
 IGNITION ----- ?
 CARBURETION ----- TWO 28 MM CONSTANT VEL
 LUBRICATION ----- ?

GENERAL DATA:

TIRES-
 -FRONT ----- 3.00 X 19
 -REAR ----- 3.50 X 18
 BRAKE-TYPE-
 -FRONT ----- MECHANICAL TO REAR WHEEL
 -REAR ----- MECHANICAL TO FRONT WHEEL
 FUEL CAP (LITERS)-
 -MAIN TANK ----- 12
 -RESERVE TANK ----- N/A
 SUSPENSION-
 -FRONT ----- *2
 -REAR ----- SWING ARM
 TRANSMISSION-
 -TYPE ----- FOOT OPERATED
 -NR OF SPEEDS ----- 5
 CLUTCH ----- ?
 DRIVE ----- CHAIN
 ELEC SYSTEM ----- 12V
 GENERATOR ----- ?
 STARTING SYSTEM ----- ELECTRIC OR KICK

REMARKS:

- 1/ SEMI-DOUBLE CRADLE TUBULAR/PRESSED STEEL
- 2/ DOUBLE DAMPING TELESCOPIC FORK

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2340-30-1-1-B

NOMEN: MOTORCYCLE, SOLO, HONDA, CB 350 "DREAM"

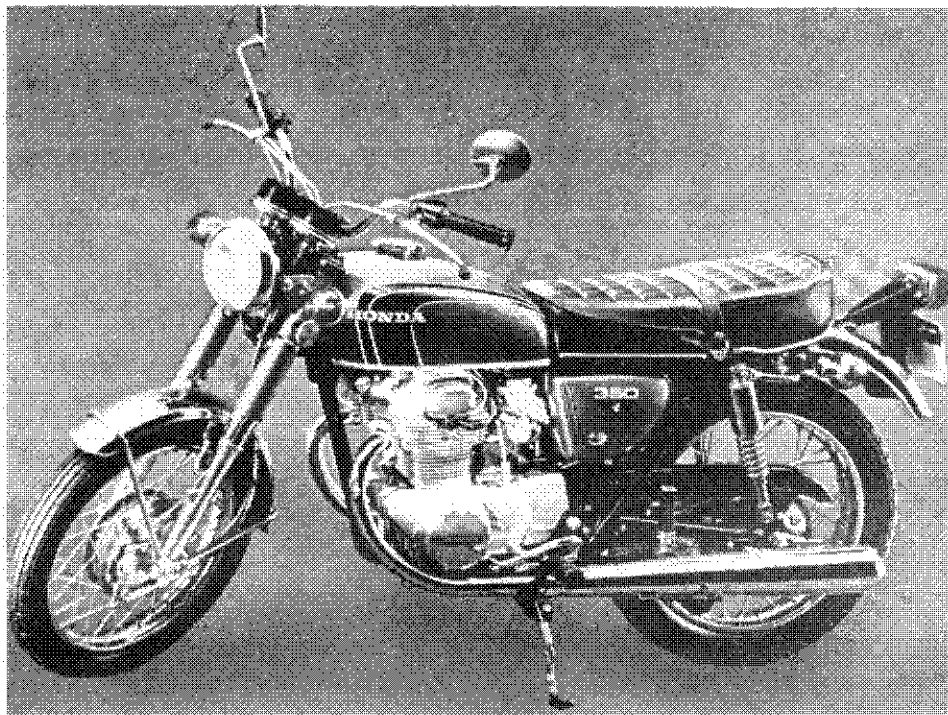
PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TB-381-5-22

(OLD 30-2340-L-11)

COUNTRY: JAPAN

DATE UPDATED: 30AUG73



DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2340-30-1-1-B

NOMEN: MOTORCYCLE, SOLO, HONDA, CB 350 "DREAM"

PRODUCED/ADOPTED: 1965-DATE/

CATALOG: TH-381-5-22

(OLD 30-2340-1-1)

COUNTRY: JAPAN

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01APR73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2340-35-1-3-A

CATALOG: TB-381-5-22

NOMEN: MOTORCYCLE, SOLO, GS, 350 CC BSA (B.40-MK1)

(OLD 35-2340-1-3)

NATIVE DES:

COUNTRY: UNITED KINGDOM

PRODUCED/ADOPTED: 1971 TO DATE

DATE UPDATED: 13SEP73

(U)THE GS-350 CC (B.40-MK 1) MOTORCYCLE MANUFACTURED BY BSA MOTORCYCLES LTD., BIRMINGHAM, IS BASED ON THE COMMERCIAL COMPONENTS OF THE BSA B.40 MODEL BUT INCORPORATES FEATURES TO IMPROVE THE SUITABILITY FOR USE IN A MILITARY ENVIRONMENT. THESE FEATURES INCLUDE A SPECIAL ENGINE AIR FILTRATION SYSTEM WITH A DUST PROOF CARBURETOR AND IMPROVED PROTECTION FOR THE REAR CHAIN AND FRONT FORKS. TO INSURE LONG LIFE THE ENGINE IS DOWN RATED AND A COMPRESSION RATIO OF 7:1 HAS BEEN CHOSEN TO SUIT MILITARY FUELS.

DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2340-35-1-3-A
NOMEN: MOTORCYCLE, SOLO, GS, 350 CC BSA 18.40-MKL

CATALOG: TB-381-5-22
(OLD 35-2340-1-3)
COUNTRY: UNITED KINGDOM
DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: 1971 TO DATE

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 156
-GROSS ----- 316
PERSONNEL LOAD --- 2
FRAME ----- *1
HANDLEBARS ----- ONE PIECE WIDTH 650 MM

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 2108
WIDTH O/ALL ----- 750
HGT OF HANDLEBARS- 1080
WHEELBASE ----- 1359
SEAT HGT ----- ?
GROUND CLEARANCE - ?

PERFORMANCE:

MAX GRADIENT (PCT) ----- 50 DEG
FUEL CONS (L/100KM) ----- 4.9
CRUISING RANGE (KM) ----- 322
MAX ROAD SPEED (KM/HR) -- 105

ENGINE:

TYPE ----- BSA
NR OF CYLINDERS ----- SINGLE OHV
BORE AND STROKE (MM) ---- ?
DISPLACEMENT (LITERS) --- 1.343
COMPRESSION RATIO ----- 7:1
MAX HP AT RPM ----- 18 AT 6000
MAX TORQUE AT RPM (KGM) - 2.4 AT 4000
IGNITION ----- 6 VOLT
CARBURETION ----- ?
LUBRICATION ----- *4

GENERAL DATA:

TIRES-

-FRONT ----- 3.00X20
-REAR ----- 3.50X18

BRAKE-TYPE-

-FRONT ----- MECHANICAL TO REAR WHEEL
-REAR ----- MECHANICAL TO FRONT WHEEL

FUEL CAP (LITERS)-

-MAIN TANK ----- 15.9
-RESERVE TANK ----- N/A

SUSPENSION-

-FRONT ----- *2
-REAR ----- *3

TRANSMISSION-

-TYPE ----- FOOT OPERATED
-NR OF SPEEDS ----- 4

CLUTCH ----- MUTI-PLATE

DRIVE ----- CHAIN

ELEC SYSTEM ----- 12-V

GENERATOR ----- ALTERNATOR

STARTING SYSTEM ----- KICK START

REMARKS:

1/ SQUARE SECTION WELDED TUBES WITH
SWINGING REAR FORK
2/ COIL SPRING, HYDRAULICALLY DAMPED
3/ SWINGING FORK, WITH COIL SPRING
HYDRAULICALLY DAMPED
4/ DRY SUMP-GEAR TYPE OIL PUMP

DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2340-35-1-3-B

NOMEN: MOTORCYCLE, SOLO, GS, 350 CC BSA (B.40-MK1)

PRODUCED/ADOPTED: 1971 TO DATE

CATALOG: TB-381-5-22

(OLD 35-2340-1-3)

COUNTRY: UNITED KINGDOM

DATE UPDATED: 13SEP73

NO PICTURE AVAILABLE

DATE CATALOGED:
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2340-35-1-3-8

NOMEN: MOTORCYCLE, SOLO, GS, 350 CC BSA (B.40-MK1)

PRODUCED/ADOPTED: 1971 TO DATE

CATALOG: TB-381-5-22

(OLD 35-2340-1-3)

COUNTRY: UNITED KINGDOM

DATE UPDATED: 13SEP73

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DATE CATALOGED:
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U N C L A S S I F I E D

FOM-2353-2-1-1-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, V-1, VITYAZ (CHAMPION)

(OLD 2-2353-1-1)

NATIVE DES: SNEGOKHOD V-1 VITYAZ

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: PROTOTYPE7

DATE UPDATED: 30AUG73

(U) THIS SOVIET V-1, VITYAZ WAS DEVELOPED BY THE "GAZSTROYMASHINAM" SPECIAL DESIGN OFFICE UNDER THE MINISTRY OF THE GAS INDUSTRY OF THE U.S.S.R. THIS MULTIPURPOSE VEHICLE USES THE BODY, FRAME, ENGINE, CLUTCH, AND TRANSMISSION OF THE ZIL-130 TRUCK (FOM-2320-2-4-58) AND HAS EXCEPTIONAL CAPABILITY FOR TRAVELING THROUGH DEEP SNOW, SWAMPY AREAS, OR SOFT SAND. INSTEAD OF THE CUSTOMARY WHEEL-TYPE SUSPENSION, A RUBBER-AND-METAL TRACKLAYING SYSTEM DESIGN IS USED.

(U) RUNNING GEAR OF THE VEHICLE CONSISTS OF THE TRACK, ROAD WHEELS, AND A FRONT-COMPENSATING IDLER WHEEL. THE Laterally FLEXIBLE TRACK, CONSISTING OF ENDLESS RUBBER-CORD BELTS REINFORCED WITH STEEL CABLE AND JOINED TOGETHER BY METAL CROSS-LINKS IS THE MOST ORIGINAL PART OF THIS VEHICLE. THESE LINKS, OF SPRING STEEL, ARE ATTACHED TO THE RUBBER BELTS BY SPECIAL BOLTS CONSTITUTE THE GROUND-GRIPPING MEMBERS OF THE TRACK ASSEMBLY. CONSTRUCTION OF THE TRACK ASSEMBLY PERMITS RAPID REPLACEMENT OF BROKEN OR WORN TRACK LINKS IN THE FIELD.

(U) PNEUMATIC ROAD WHEELS ON EACH SIDE ARE MOUNTED ON THE ENDS OF CRANK-SHAPED AXLES. HORIZONTAL TORSION BARS AND DOUBLE-ACTING, TELESCOPIC, HYDRAULIC SHOCK ABSORBERS HELP TO ISOLATE MECHANICAL VIBRATION AND DAMPEN ROAD SHOCK. AIR PRESSURE IN THE ROAD WHEELS IS 90 POUNDS PER SQUARE INCH. THE FRONT-COMPENSATING IDLER IS A LARGE, 400 X 100 TIRE MOUNTED ON A BEARING PLATE WHICH, BY MEANS OF A TENSIONING SCREW, CAN MOVE ABOUT ON A GUIDE PIECE WELDED TO THE VEHICLE FRAME. AS A FACTICAL VEHICLE IN THE RUGGED NATURAL ENVIRONMENT OF THE FAR NORTH, SIBERIA, AND OTHER AREAS IN THE U.S.S.R. IT MAY HAVE MILITARY SIGNIFICANCE AS A PERSONNEL AND CARGO CARRIER.

DATE CATALOGED: 01DEC67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-1-1-A

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, V-1, VITYAZ (CHAMPION)

CATALOG: TB-381-5-22

(OLD 2-2353-1-1)

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: PROTOTYPE/

DATE UPDATED: 30AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 4200
 -PAYLOAD ----- 3000
 -GROSS ----- 7200
 PERSONNEL LOAD --- 14 IN CARGO AREA
 MAX TOWED LOAD --- ?

VEHICLE DIMENSIONS:

LENGTH (MM)-

-O/ALL ----- 6715
 -OF CYLINDERS -- N/A
 -GROUND CONTACT ?
 WIDTH (MM)-
 -O/ALL ----- 3170
 -C TO C OF CYL -- N/A
 -C TO C OF TRK -- 1800 ?
 -TRACK ----- 900

HGT O/ALL (MM) --- 2650

CARGO SPACE (MM)-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES -- ?
 DIA OF CYL (MM) -- N/A
 GND CLEARANCE (MM) 810
 GND PRESS (KG/CM2) 0.13
 PINTLE HGT (MM) -- ?

PERFORMANCE:

MAX GRADIENT (PCT)-

-EMPTY ----- ?
 -LOADED ----- ?
 TURNING RADIUS (MM) --- ?
 FORDING DEPTH (MM) ---- ?
 FUEL CONS.
 -SNOW-LOADED (L/100KM)?
 -WATER-LOADED (L/HR) N/A
 CRUISING RANGE (KM)-
 -SNOW-LOADED ----- ?
 -WATER-LOADED ----- N/A
 MAX SPEED (KM/HR)-
 -ON SNOW ----- 27
 -IN WATER ----- N/A
 TRENCH CROSSING ABILITY ?
 VERT OBSTACLE ABILITY - ?

REMARKS:

ENGINE:

MODEL ----- ZIL-130
 TYPE ----- V-8, OHV
 MAX HP AT RPM ----- 150 AT 3100
 LOCATION ----- FRONT
 FUEL ----- GASOLINE
 COOLING SYS-TYPE ---- LIQUID
 FOM NR ----- 2805-2-1-12

GENERAL DATA:

FUEL CAP (LITERS)-

-MAIN TANK ----- 170
 -AUX TANK ----- ?
 BRAKES-PRIMARY TYPE -- AIR

SUSPENSION SYSTEM-

TYPE ----- TRACKLAYING
 ROAD WHEELS (NR) ----- 8
 -DIAMETER (MM) ----- 8.25 X 15
 SUPPORT ROLLERS (NR) -- NONE
 TRACK TYPE ----- FLEXIBLE RUBBER
 TIRES ----- N/A
 -SIZE ----- N/A
 -NUMBER ----- N/A
 TRANSMISSION-TYPE ---- MANUAL

NR SPEEDS-

-FWD ----- 4
 -RVRS ----- 1
 ELECTRICAL SYSTEM ---- 12V

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U N C L A S S I F I E D

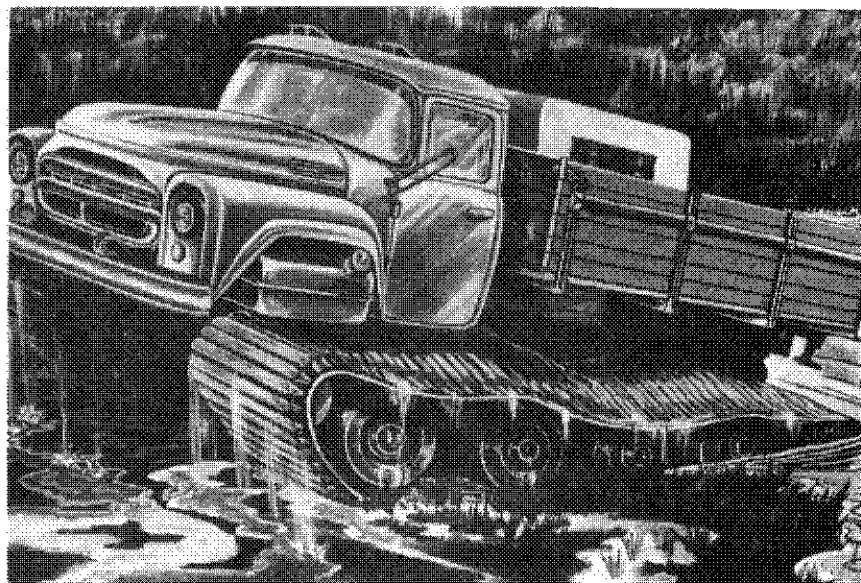
U N C L A S S I F I E D

FOM-2353-2-1-1-B

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, V-1, VITYAZ (CHAMPION)

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-361-5-22
(OLD Z-2353-1-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73



DATE CATALOGED: 01DEC67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2353-2-1-1-8

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, Y-1, VITYAZ (CHAMPION)

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22
(OLD 2-2353-1-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01DEC67
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-1-6-A

CATALOG: TB-381-5-22

NOMEN: SNOW VEHICLE, CARGO & PERSONNEL CARRIER TRACKED AMPHIBIOUS, PINGVIN (OLD 2-2353-1-6)

NATIVE DES: SNEGOKHOD PINGVIN

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1957 TO ??

DATE UPDATED: 06SEP73

(U) THE PINGVIN, AN UNARMORED CROSS-COUNTRY VEHICLE, WAS DESIGNED AND BUILT AT THE KIROV PLANT IN LENINGRAD FOR THE CONTINENTAL ANTARCTIC EXPEDITION OF THE U.S.S.R. ACADEMY OF SCIENCES. ONLY FIVE ARE KNOWN TO HAVE SENT TO THE ANTARCTIC. ALTHOUGH THE PINGVIN HAS NOT BEEN REPORTED IN USE WITH TROOPS, IT IS NEVERTHELESS OF MILITARY INTEREST BECAUSE OF ITS CAPABILITIES FOR TOWING WEAPONS.

(U) THE PINGVIN, LIKE THE SOVIET AMPHIBIOUS ARMORED PERSONNEL CARRIER BTR-50P, HAS A PT-76 AMPHIBIOUS TANK CHASSIS AND IS PROPELLED IN WATER BY HYDROJET. THE BODY METAL IS NOT ARMOR AND IS ONLY STRONG ENOUGH TO PROVIDE STRUCTURAL RIGIDITY.

(U) THIS VEHICLE IS REPORTEDLY EQUIPPED WITH A DIESEL-ELECTRIC DRIVE SYSTEM WHICH OPERATES READILY UNDER CONDITIONS OF RAREFIED AIR AT ABOUT 4000 METERS ALTITUDE, ALTHOUGH THIS IS UNCONFIRMED. WHEN TOWING A SLED CONTAINING AUXILIARY FUEL AND SUPPLIES, THE PINGVIN HAS A CRUISING RANGE OF APPROXIMATELY 650 KILOMETERS.

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-1-6-A

NOMEN: SNOW VEHICLE, CARGO & PERSONNEL CARRIER TRACKED AMPHIBIOUS, PINGUIN

CATALOG: TB-381-5-22

(OLD 2-2353-1-6)

COUNTRY: U.S.S.R.

DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1957 TO ??

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 10,890
 -PAYLOAD ----- 2270
 -GROSS ----- 13,160
 PERSONNEL LOAD --- 127
 MAX TOWED LOAD --- ?

VEHICLE DIMENSIONS:

LENGTH (MM)-

-O/ALL ----- 6730
 -OF CYLINDERS -- N/A
 -GROUND CONTACT 4240

WIDTH (MM)-

-O/ALL ----- 3120
 -C TO C OF CYL -- N/A
 -C TO C OF TRK -- 2800
 -TRACK ----- 650

HGT O/ALL (MM) --- 2440

CARGO SPACE (MM)-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES -- ?

DIA OF CYL (MM) -- N/A

GND CLEARANCE (MM) 350

GND PRESS (KG/CM2) 0.2

PINTLE HGT (MM) -- ?

PERFORMANCE:

MAX GRADIENT (PCT)-

-EMPTY ----- ?
 -LOADED ----- 78%

TURNING RADIUS (MM) --- ?

FORDING DEPTH (MM) --- AMPHIBIOUS

FUEL CONS

-SNOW-LOADED (L/100KM)?

-WATER-LOADED (L/HR) ?

CRUISING RANGE (KM)-

-SNOW-LOADED ----- 257

-WATER-LOADED ----- ?

MAX SPEED (KM/HR)-

-ON SNOW ----- 40

-IN WATER ----- 8

TRENCH CROSSING ABILITY 2300

VERT OBSTACLE ABILITY - 610

ENGINE:

MODEL ----- V-6

TYPE ----- 6 CYLINDER IN-LINE 4 CYCL

MAX HP AT RPM ----- 237 @ 1800

LOCATION ----- REAR

FUEL ----- DIESEL

COOLING SYS-TYPE ----- LIQUID

FOM NR ----- ?

GENERAL DATA:

FUEL CAP (LITERS)-

-MAIN TANK ----- 500

-AUX TANK ----- ?

BRAKES-PRIMARY TYPE -- ?

SUSPENSION SYSTEM-

TYPE ----- *1

ROAD WHEELS (NR) ----- 6 EA SIDE

-DIAMETER (MM) ----- ?

SUPPORT ROLLERS (NR) - NONE

TRACK TYPE ----- *2

TIRES -----

-SIZE ----- ?

-NUMBER ----- ?

TRANSMISSION-TYPE ---- MANUAL

NR SPEEDS-

-FWD ----- 5

-RVRS ----- 1

ELECTRICAL SYSTEM ---- ?

REMARKS:

1/ FLAT TRACK, INDEPENDENT WHEEL

SUSPENSION TORSION BAR

2/ CONVENTIONAL, STEEL PLATE W/GROUSERS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-1-6-8

NOMEN: SNOW VEHICLE, CARGO&PERSONNEL CARRIER TRACKED AMPHIBIOUS, PINGUIN

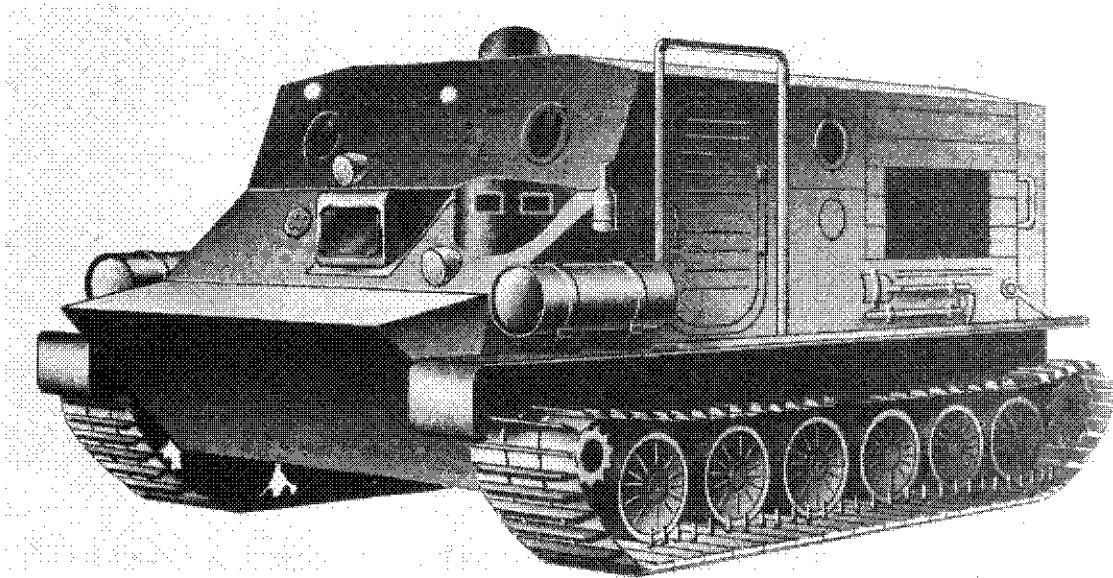
PRODUCED/ADOPTED: 1957 TO 77

CATALOG: TB-381-5-22

(OLD Z-2353-1-6)

COUNTRY: U.S.S.R.

DATE UPDATED: 06SEP73



DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2353-2-1-6-8

CATALOG: TB-381-5-22

NOMEN: SNOW VEHICLE, CARGO&PERSONNEL CARRIER TRACKED AMPHIBIOUS, PENGUIN

(OLD 2-2353-1-6)

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1957 TO ??

DATE UPDATED: 06SEP73

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DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2353-2-1-7-A

CATALOG: TB-381-5-22

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, UTILITY

(OLD 2-2353-1-71)

NATIVE DES: KHAR'KOVCHANKA
PRODUCED/ADOPTED: 1958 TO ?/

COUNTRY: U.S.S.R.
DATE UPDATED: 23JUL73

(U)THE KHAR'KOVCHANKA, ALSO KNOWN AS THE BOGATYR', IS THE LARGEST SOVIET-BUILT OVERSNOW VEHICLE. THREE WERE PRODUCED IN 1958 BY THE KHAR'KOV TRACTOR WORKS FOR ANTARCTIC EXPLORATION.

(U)THE VEHICLE IS DESIGNED TO OPERATE COMPLETELY INDEPENDENT OF ANY SUPPLY BASE FOR PERIODS UP TO 4 MONTHS. THE KHAR'KOVCHANKA HAS AN INSULATED DURALUMIN CABIN CONTAINING DRIVING CAB, WORKROOM, GALLEY, TOILET, BUNKS, AND ACCESS AREA. THE VEHICLE CAN OPERATE IN TEMPERATURES DOWN TO -94 DEG F AND AT ALTITUDES UP TO 3962 METERS.

(U)IT CARRIES A VERY LARGE FUEL SUPPLY AND IN ADDITION TOWS A METIC TON FUEL TANK ON A SLED. AS A RESULT IT HAS A FANTASTIC RANGE.

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-1-7-A

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, UTILITY

PRODUCED/ADOPTED: 1958 TO ?/

CATALOG: TB-381-5-22
 (OLD 2-2353-1-7)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 23JUL73

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 31,750
 -PAYLOAD ----- ?
 -GROSS ----- ?
 PERSONNEL LOAD --- 8
 MAX TOWED LOAD --- 60 MT SLEDGE

VEHICLE DIMENSIONS:

LENGTH (MM)-
 -O'ALL ----- 8000
 -OF CYLINDERS --- N/A
 -GROUND CONTACT ?
 WIDTH (MM)-
 -O'ALL ----- 4000
 -C TO C OF CYL - N/A
 -C TO C OF TRK - 3000
 -TRACK ----- 1000
 HGT O'ALL (MM) --- 5000
 CARGO SPACE (MM)-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES --- ?
 DIA OF CYL (MM) --- N/A
 GND CLEARANCE (MM) ?
 GND PRESS (KG/CM2) 0.30
 PINTLE HGT (MM) --- ?

PERFORMANCE:

MAX GRADIENT (PCT)-
 -EMPTY ----- ?
 -LOADED ----- ?
 TURNING RADIUS (MM) --- ?
 FORDING DEPTH (MM) --- ?
 FUEL CONS
 -SNOW-LOADED (L/100KM)?
 -WATER-LOADED (L/HR) N/A
 CRUISING RANGE (KM)-
 -SNOW-LOADED ----- 6000
 -WATER-LOADED ----- N/A
 MAX SPEED (KM/HR)-
 -ON SNOW ----- 25
 -IN WATER ----- N/A
 TRENCH CROSSING ABILITY 3000
 VERT OBSTACLE ABILITY - 1000

ENGINE:

MODEL ----- ?
 TYPE ----- V-12
 MAX HP AT RPM ----- *1
 LOCATION ----- FRONT
 FUEL ----- DIESEL
 COOLING SYS-TYPE ----- LIQUID
 FOM NR ----- ?

GENERAL DATA:

FUEL CAP (LITERS)-
 -MAIN TANK ----- 2650 ?
 -AUX TANK ----- ?
 BRAKES-PRIMARY TYPE -- ?
 SUSPENSION SYSTEM-
 TYPE ----- *2
 ROAD WHEELS (NR) ----- 7 DUAL EACH SIDE
 -DIAMETER (MM) ----- ?
 SUPPORT ROLLERS (NR) - ?
 TRACK TYPE ----- CONVENTIONAL STEEL PLATE
 TIRES ----- N/A
 -SIZE ----- N/A
 -NUMBER ----- N/A
 TRANSMISSION-TYPE --- STANDARD ?
 NR SPEEDS-
 -FWD ----- 5
 -RVRS ----- ?
 ELECTRICAL SYSTEM --- ?

REMARKS:

1/ 520 (UNSUPERCHARGED) AND 1000 (?)
 SUPERCHARGED AT ?
 2/ FLAT TRACK, INDEPENDENT WHEEL
 SUSPENSION, TORSION BAR ?

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-1-7-B

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, UTILITY

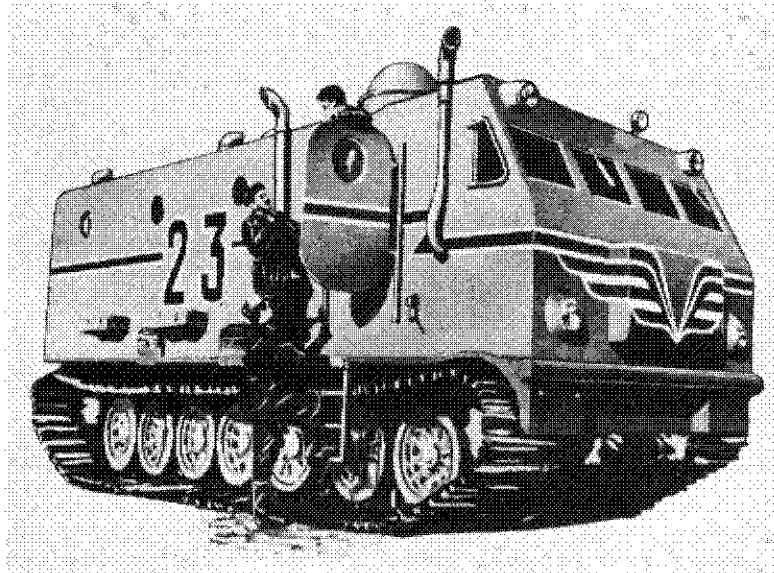
PRODUCED/ADOPTED: 1958 TO 77

CATALOG: TB-381-5-22

(OLD 2-2353-1-7)

COUNTRY: U.S.S.R.

DATE UPDATED: 23 JUL 73



DATE CATALOGED: 01 MAR 66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-1-7-8

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, UTILITY

PRODUCED/ADOPTED: 1958 TO 2/

CATALOG: TB-381-5-22

(OLD 2-2353-1-7)

COUNTRY: U.S.S.R.

DATE UPDATED: 23JUL73

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DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

FOM-2353-2-2-1-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: SNOW VEHICLE, CARRIER, 8X8, URAGAN-8

(OLD 2-2353-2-1)

NATIVE DES: SNEGOKHOQ URAGAN-8

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: PROTOTYPE/

DATE UPDATED: 06SEP73

(U)THE URAGAN-8 IS A HEAVY CROSS-COUNTRY VEHICLE DESIGNED BY THE SCIENTIFIC RESEARCH MOTOR VEHICLE AND AUTOMOTIVE ENGINE INSTITUTE (NAMI), IN COOPERATION WITH THE YAKOSLAVL' TIRE PLANT AND THE SCIENTIFIC RESEARCH TIRE INDUSTRY INSTITUTE.

(U)THIS VEHICLE, BELIEVED TO BE 8-WHEEL DRIVE, IS EQUIPPED WITH LARGE TIRES THAT PRODUCE A GROUND PRESSURE OF ONLY .105 KG/CM SQ AND HAVE A TOTAL GROUND CONTACT AREA OF 7.74 M SQ. FOR THESE REASONS IT WAS EXPECTED TO TRAVERSE DEEP SNOW, SAND, AND SWAMPS WITH EASE; HOWEVER, THESE EXPECTATIONS WERE NOT REALIZED. THIS VEHICLE APPEARS TO BE A COPY OF THE U.S. ROLLIGON XM-357, 8-TON, 8 X 8 TRUCK.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-2-1-A

NOMEN: SNOW VEHICLE, CARRIER, 8x8, URAGAN-8

CATALOG: TB-381-5-22

[OLD 2-2353-2-1]

COUNTRY: U.S.S.R.

DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: PROTOTYPE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 9000 ?
 -PAYLOAD ----- 2000 ?
 -GROSS ----- 17,000
 PERSONNEL LOAD --- 4 IN CAB ?
 MAX TOWED LOAD --- ?

VEHICLE DIMENSIONS:

LENGTH (MM)-

-O/ALL ----- ?
 -OF CYLINDERS -- ?
 -GROUND CONTACT ?

WIDTH (MM)-

-O/ALL ----- ?
 -C TO C OF CYL --
 -C TO C OF TRK --
 -TRACK -----

HGT O/ALL (MM) --- ?

CARGO SPACE (MM)-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES -- ?
 DIA OF CYL (MM) --
 GND CLEARANCE (MM) ?
 GND PRESS (KG/CM2) 0.15
 PINTLE HGT (MM) --

PERFORMANCE:

MAX GRADIENT (PCT)-

-EMPTY ----- 84%
 -LOADED ----- ?

TURNING RADIUS (MM) --- ?

FORDING DEPTH (MM) ---- ?

FUEL CONS

-SNOW-LOADED (L/100KM)?
 -WATER-LOADED (L/HR) N/A

CRUISING RANGE (KM)-

-SNOW-LOADED ----- ?
 -WATER-LOADED ----- N/A

MAX SPEED (KM/HR)-

-ON SNOW ----- 60
 -IN WATER ----- N/A

TRENCH CROSSING ABILITY ?

VERT OBSTACLE ABILITY - ?

ENGINE:

MODEL ----- ?
 TYPE ----- ?
 MAX HP AT RPM ----- ?
 LOCATION ----- ?
 FUEL ----- ?
 COOLING SYS-TYPE ----- ?
 FOM NR. ----- ?

GENERAL DATA:

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-PRIMARY TYPE -- DISK EA WHEEL, HYDRAULIC
 - OPERATED

SUSPENSION SYSTEM-

TYPE ----- UNSPRUNG ?

ROAD WHEELS (NR) ----- 8

-DIAMETER (MM) ----- 1500

SUPPORT ROLLERS (NR) - N/A

TRACK TYPE ----- N/A

TIRES -----

-SIZE ----- *1

-NUMBER ----- 8

TRANSMISSION-TYPE ----- ?

NR SPEEDS-

-FWD ----- ?

-RVRS ----- ?

ELECTRICAL SYSTEM ----- ?

REMARKS:

1/ GROUND-ARCHED WIDE PROFILE TIRE WITH A
 .72 KG/CM SQ AIR PRESSURE.

DATE CATALOGED: 01MAR66

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U N C L A S S I F I E D

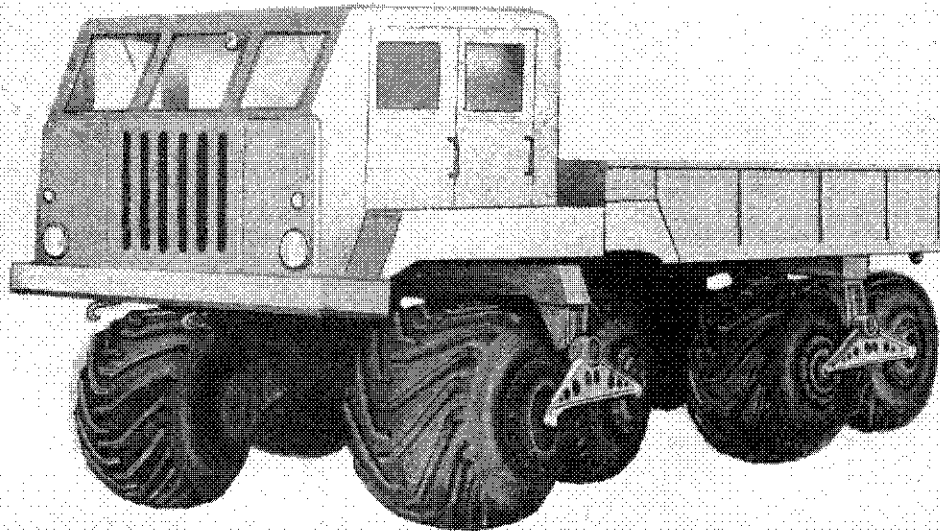
U N C L A S S I F I E D

FOM-2353-2-2-1-B

NOMEN: SNOW VEHICLE; CARRIER, 8X8, URAGAN-B

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-301-S-22
(OLD 2-2353-2-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 06SEP73



DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2353-2-2-1-B

NOMEN: SNOW VEHICLE, CARRIER, 8XB, URAGAN-B

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22

(OLD 2-2353-2-1)

COUNTRY: U.S.S.R.

DATE UPDATED: 06SEP73

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DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

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FORM-2353-2-3-2-A

CATALOG: TB-381-5-22

NOMEN: AEROSLED, CARRIER, SKI-MOUNTED NKL-16

(OLD 2-2353-3-2)

NATIVE DES: AEROSAYI, TRANSPORTER, NKL-16
PRODUCED/ADOPTED: 1941 TO ??

COUNTRY: U.S.S.R.
DATE UPDATED: 20JUL73

(U)THE NKL-16 AEROSLED IS A SUPPLY AND TROOP CARRIER DESIGNED TO TRANSPORT FOUR OR FIVE ASSAULT TROOPS WITH WEAPONS, OR TWO MACHINEGUN CREWS, OR ONE 50-MM LIGHT MORTAR WITH A 3-MAN CREW.

(U)THE BODY OF THE NKL-16 CONSISTS OF A WOODEN FRAME SHEATHED IN PLYWOOD. ALL FOUR SKIS ARE STEERABLE AND INTERCHANGEABLE AND EACH IS INDIVIDUALLY SUSPENDED WITH HALF-AXLES AND DUAL-ACTION, AIRCRAFT-TYPE SHOCK ABSORBERS. THEY ARE CONTROLLED BY TWO BRAKES, ONE FOR THE FRONT SKIS, THE OTHER FOR THE REAR SKIS.

(U)SUBSTANTIAL NUMBERS OF THE NKL-16 WERE USED IN WORLD WAR II FOR RECONNAISSANCE AND FOR FLANK ATTACKS. THE VEHICLES USED IN WORLD WAR II WERE EQUIPPED WITH WOODEN SKIS TO REDUCE PRODUCTION COSTS.

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2353-2-3-2-A
 NOMEN: AEROSLED, CARRIER, SKI-MOUNTED NKL-16

CATALOG: TB-381-5-22
 (GLO 2-2353-3-2)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 20JUL73

PRODUCED/ADOPTED: 1941 TO ??

CURRENT STATUS: --- STANDARD

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 1020
 -GROSS ----- 1700
 LENGTH O/ALL (MM) -- 5820
 WIDTH (MM)-
 -O/ALL ----- 2560
 -C TO C OF SKIS -- 1800
 -OF SKI ----- ?
 HGT O/ALL (MM) ----- 2040
 GND CLEARANCE (MM) - 3200
 LENGTH OF SKI ----- 2700
 GND PRESS (KG/CM2) - .11

ENGINE:

MODEL ----- M-11
 TYPE ----- 5-CYL. RADIAL,
 - AIRPLANE
 LOCATION ----- ?
 WEIGHT (KG) ----- ?
 MAX HP AT RPM ----- 100 @ 1600
 PROP THRUST (KG) ----- 300
 FUEL-TYPE ----- GASOLINE
 COOLING SYS-TYPE ----- AIR

SUSPENSION SYSTEM:

TYPE ----- #1
 SKIS-
 -NR ----- 4
 -TYPE ----- OPEN, WOOD W/STEEL BOTTOM
 - T-SHAPED CROSS SECTION

STEERING:

TYPE ----- CABLE, ALL SKI TURN
 TURNING RADIUS (MM) -- 10,000

GENERAL DATA:

CREW-NR ----- 1
 PERSONNEL LOAD ----- 7
 PAYLOAD (KG) -
 -SNOW ----- 680
 -WATER ----- N/A
 FUEL CAP (LITERS) ----- 125
 PRIMARY BRAKES-TYPE -- ?

PERFORMANCE:

MAX SPEED (KM/HR)-
 -IN SNOW ----- 72
 -IN WATER ----- N/A
 MAX GRADEABILITY (PCT)-
 -EMPTY ----- ?
 -LOADED ----- ?
 FUEL CONS (L/HR)-
 -IN SNOW ----- 78
 -IN WATER ----- N/A
 CRUISING RANGE (KM)-
 -IN SNOW ----- 160
 -IN WATER ----- N/A

REMARKS:

1/ THE SUSPENSION SYSTEM HAS SPRING
 AND HYDRAULIC COMBINATION SHOCK
 ABSORBERS AND OSCILLATING HALF-AXLES.

DATE CATALOGED: 01MAR66
 VOLUME 22, PAGE 1056

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-3-2-8

NOMEN: AEROSLED; CARRIER, SKI-MOUNTED NKL-16

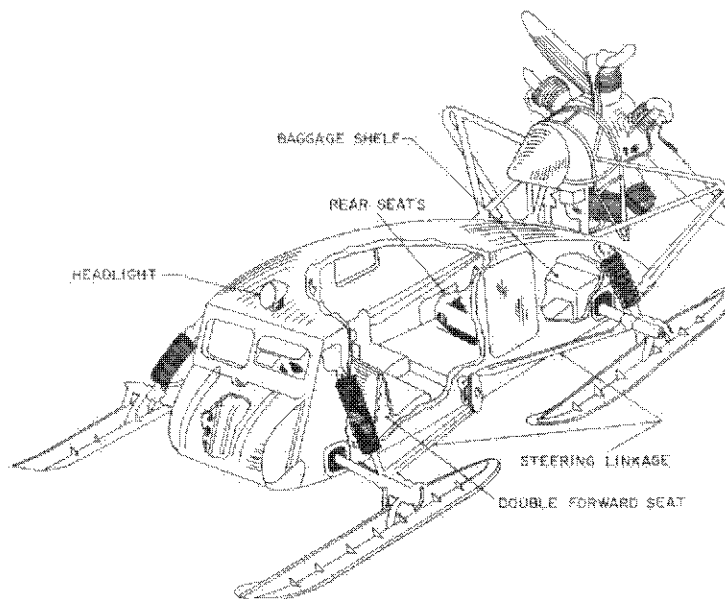
PRODUCED/ADOPTED: 1941 TO ?/

CATALOG: TB-381-5-22

1010 2-2353-3-21

COUNTRY: U.S.S.R.

DATE UPDATED: 20JUL73



DATE CATALOGED: 01MAR66
VOLUME 22, PAGE 1057

U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2353-2-3-2-B

NOMEN: AEROSLED, CARRIER, SKI-MOUNTED NKL-16

PRODUCED/ADOPTED: 1941 TO ?/

CATALOG: TB-381-5-22

(OLD 2-2353-3-2)

COUNTRY: U.S.S.R.

DATE UPDATED: 20JUL73

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DATE CATALOGGED: 01MAR66
VOLUME 22, PAGE 1058

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-3-6-A

CATALOG: TB-381-5-22

NOMEN: AEROSLED, CARRIER, SKI-MOUNTED, KA 30

(OLD 2-2353-3-61

NATIVE DES: AEROSAYI, TRANSPORTER, KA 30

COUNTRY: U.S.S.R.

PRODUCED/ADOPTED: 1963-DATE/

DATE UPDATED: 07AUG73

(U)THE KA-30, A HIGH-SPEED, MULTIPURPOSE VEHICLE DESIGNED TO OPERATE OVER DEEP SNOW AND ICE MUMMOCKS, CARRIES PASSENGERS AND CARGO AND CAN BE SUCCESSFULLY EMPLOYED AS AN AMBULANCE. IT CAN EFFICIENTLY NEGOTIATE .8 M OF PACK ICE OR 2 M OF SNOW. IT HAS A SHORT-TIME GRADEABILITY OF 47% AND CAN OVERCOME LATERAL SLOPES OF 21%. A REVERSIBLE 3-BLADE METAL PROPELLER PROVIDES PROPULSION. EFFECTIVE BRAKING IS ACCOMPLISHED BY CHANGING THE BLADE PITCH OR REVERSING THE AIRSCREW.

(U)THE FUSELAGE OF THE KA-30 IS OF RIVETED DURALUMINUM. IT RESTS ON FOUR INDEPENDENTLY SUSPENDED SKIS, HAS FOUR PNEUMOHYDRAULIC AIRCRAFT SHOCK ABSORBERS, AND IS DIVIDED INTO THREE PARTS: CAB, CARGO-PASSENGER COMPARTMENT, AND ENGINE SECTION. THE CARGO-PASSENGER COMPARTMENT IS 2.6 M LONG, 1.5 M WIDE, AND 1.5 M HIGH.

(U)A HYDROSLED VERSION OF THE KA-30, THE KA-30B, ALSO EXISTS. THE SKIS ARE REPLACED BY FLOATS, CONVERTING THE KA-30 INTO A CATAMARAN WHICH IS OPERABLE ON RIVERS, LAKES, AND COASTAL WATERS WHERE WAVE HEIGHTS DO NOT EXCEED .5 M.

DATE CATALOGED: 01MAR68
VOLUME 22, PAGE 1059

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-3-6-A

NOMEN: AEROSLED, CARRIER, SKI-MOUNTED, KA 30

PRODUCED/ADOPTED: 1963-DATE/

CURRENT STATUS: --- STANDARD

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 1650
 -GROSS ----- 2800
 LENGTH O/ALL (MM) --- ?
 WIDTH (MM)-
 -O/ALL ----- ?
 -C TO C OF SKIS --- ?
 -OF SKI ----- ?
 HGT O/ALL (MM) ----- ?
 GND CLEARANCE (MM) - ?
 LENGTH OF SKI ----- ?
 GND PRESS (KG/CM2) - ?

ENGINE:

MODEL ----- AT-14RS
 TYPE ----- RADIAL, 9 CYLINDER
 LOCATION ----- REAR
 WEIGHT (KG) ----- 220
 MAX HP AT RPM ----- 260 AT 2400
 PROP THRUST (KG) ----- 620
 FUEL-TYPE ----- GASOLINE
 COOLING SYS-TYPE ----- AIR

SUSPENSION SYSTEM:

TYPE ----- INDEPENDENT

SKIS-

-NR ----- 4
 -TYPE ----- #1

REMARKS:

1/ WOOD, CHANGEABLE GLIDING SURFACES
 MADE OF POLYETHYLENE OR STEEL

CATALOG: TB-381-5-22
 (OLD 2-2353-3-6)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 07AUG73

STEERING:

TYPE ----- TURNING FRONT SKIS

TURNING RADIUS (MM) --- 8990

GENERAL DATA:

CREW-NR ----- 2
 PERSONNEL LOAD ----- 10 PASSENGERS
 PAYLOAD (KG) -
 -SNOW ----- 650
 -WATER ----- N/A
 FUEL CAP (LITERS) ----- 350
 PRIMARY BRAKES-TYPE ---

PERFORMANCE:

MAX SPEED (KM/HR)-
 -IN SNOW ----- 112
 -IN WATER ----- N/A
 MAX GRADEABILITY (PCT)-
 -EMPTY ----- 47%
 -LOADED ----- ?
 FUEL CONS (L/HR)-
 -IN SNOW ----- 98
 -IN WATER ----- N/A
 CRUISING RANGE (KM)-
 -IN SNOW ----- 360
 -IN WATER ----- N/A

DATE CATALOGED: 01MAR68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-3-6-8

NOMEN: AEROSLED, CARRIER, SKI-MOUNTED, KA 30

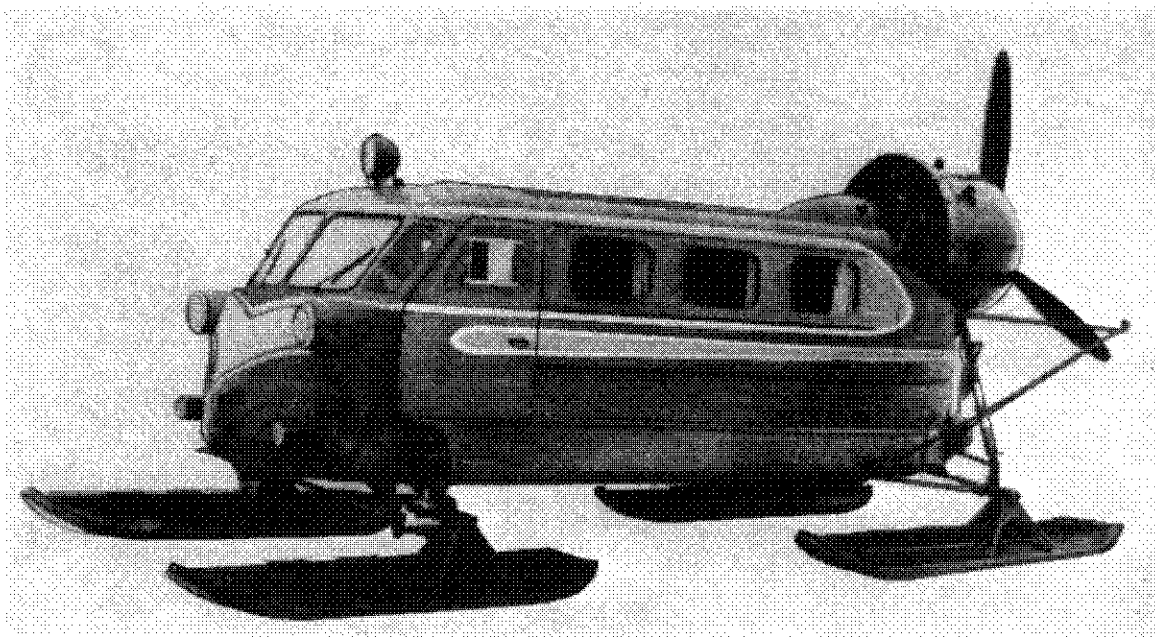
PRODUCED/ADOPTED: 1963-DATE/

CATALOG: T8-381-5-22

(OLD 2-2353-3-6)

COUNTRY: U.S.S.R.

DATE UPDATED: 07AUG73



DATE CATALOGED: 01MAR68
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-3-6-B

NOMEN: AEROSLED; CARRIER; SKI-MOUNTED; KA 30.

PRODUCED/ADOPTED: 1963-DATE/

CATALOG: TB-381-S-22
(OLD 2-2353-3-6)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

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DATE CATALOGED: 01MAR68
VOLUME 22, PAGE 1062

U N C L A S S I F I E D

FORM-2353-2-3-7-A

U N C L A S S I F I E D

CATALOG: TB-381-5-22

NOMEN: AMPHIBIOUS AEROSLED, OL-09

(OLD 2-2353-3-7)

NATIVE DES: AERDSAYI AMFIBIYA OL-09
PRODUCED/ADOPTED: 1964-DATE/

COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

(U)THE AMPHIBIOUS AEROSLED, OL-09, DEVELOPED BY A. N. TUPOLEV, SERVES AS A MEANS OF COMMUNICATION, AS A FREIGHT OR PASSENGER CARRIER, AND AS A RESCUE VEHICLE IN OFF-ROAD CONDITIONS. IT CAN CARRY A STRETCHER CASE WITH TWO ATTENDANTS AND A DRIVER. THIS SLED IS SUITABLE FOR OPERATIONS IN DEEP AND/OR LOOSE SNOW, ON ICE, AND ON WATER.

(U)THE LOW GROUND PRESSURE, RESULTING FROM THE EQUAL DISTRIBUTION OF THE GROSS WEIGHT OVER THE ENTIRE SPECIALLY SHAPED BOTTOM (ONE-SIXTH THE GROUND PRESSURE EXERTED ON THE RUNNERS OF ORDINARY SNOW-SLEDS), ACCOUNTS FOR ITS EXCELLENT HYDRODYNAMIC PERFORMANCE. THE BOTTOM IS COATED WITH POLY-ETHYLENE FILM (COEFFICIENT OF FRICTION 0.05) FOR SLICKNESS, AND IT HAS A STEP TO REDUCE DRAG.

(U)THE AEROSLED IS EQUIPPED WITH A SEVEN-CYLINDER, AIR-COOLED AIRCRAFT ENGINE DRIVING A SPECIAL, PUSHER-TYPE, 2-BLADE, COAXIAL, SLOTTED PROPELLER. IT HAS TWO SHORT FINS AND TWO RUDDERS FOR STEERING AND BRAKING.

DATE CATALOGED: Q1MAR69
VOLUME 22, PAGE 1063

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-3-7-A
 NOMEN: AMPHIBIOUS AEROSLED, OL-09

CATALOG: TB-381-5-22
 (OLD 2-2353-3-7)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 07AUG73

PRODUCED/ADOPTED: 1964-DATE/

CURRENT STATUS: --- ?

STEERING:

TYPE ----- RUDDERS (2)

TURNING RADIUS (MM) -- 4000

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 1130

-GROSS ----- WATER-1630

LENGTH O'ALL (MM) -- 6100

WIDTH (MM)-

-O'ALL ----- 2100

-C TO C OF SKIS -- N/A

-OF SKI ----- N/A

HGT O'ALL (MM) ----- 1340

GND CLEARANCE (MM) -- N/A

LENGTH OF SKI ----- N/A

GND PRESS (KG/CM2) -- 2.18

GENERAL DATA:

CREW-NR ----- 1 (DRIVER)

PERSONNEL LOAD ----- 4 PASSENGERS W/BAGG-
- AGE

PAYLOAD (KG) -

-SNOW ----- 650

-WATER ----- 500

FUEL CAP (LITERS) ----- 350

PRIMARY BRAKES-TYPE -- PLOW ACTION OF
- RUDDERS

ENGINE:

MODEL ----- *1

TYPE ----- RADIAL AIR-CRAFT

- ENGINE

LOCATION ----- REAR

WEIGHT (KG) ----- ?

MAX HP AT RPM ----- 260 AT ?

PROP THRUST (KG) ----- 620

FUEL-TYPE ----- GASOLINE

COOLING SYS-TYPE ----- AIR

PERFORMANCE:

MAX SPEED (KM/HR)-

-IN SNOW ----- 120

-IN WATER ----- 80

MAX GRADEABILITY (PCT)-

-EMPTY ----- ?

-LOADED ----- 58%

FUEL CONS (L/HR)-

-IN SNOW ----- 1.43

-IN WATER ----- .57

CRUISING RANGE (KM)-

-IN SNOW ----- 500

-IN WATER ----- 200

SUSPENSION SYSTEM:

TYPE ----- RIGID

SKIS-

-NR ----- N/A

-TYPE ----- N/A

REMARKS:

1/ AI-14R; EARLIER MODELS EQUIPPED WITH
 M-11FR RADIAL AIRCRAFT ENGINE 5-CYLINDER,
 160 HP.

DATE CATALOGED: 01MAR69
 VOLUME 22, PAGE 1064

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-3-7-8
NOMEN: AMPHIBIOUS AEROSLED, OL-09

PRODUCED/ADOPTED: 1964-DATE/

CATALOG: T8-381-5-22
(OLD 2-2353-3-7)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73



DATE CATALOGED: 01MAR69
VOLUME 22, PAGE 1065

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-3-7-B
NOMEN: AMPHIBIOUS AEROSLED, OL-09
PRODUCED/ADOPTED: 1964-DATED

CATALOG: TB-381-5-22
(OLD 2-2353-3-7)
COUNTRY: U.S.S.R.
DATE UPDATED: 07AUG73

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DATE CATALOGED: 01MAR69
VOLUME 22, PAGE 1066

U N C L A S S I F I E D

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FOM-2353-2-4-1-A

CATALOG: T8-381-5-22

NOMEN: SNOW VEHICLE GPI-63

(OLD 2-2353-4-1)

NATIVE DES: SNEGOKHOO GPI-63
PRODUCED/ADOPTED: 1968-DATE/COUNTRY: U.S.S.R.
DATE UPDATED: 06SEP73

(U)THE GPI-63 SNOW VEHICLE DEVELOPED BY THE ZHADANOV POLYTECHNICAL INSTITUTE IN GOR'KOV IS DESIGNED FOR USE IN THE ARCTIC. IT IS VERY STABLE AND MANEUVERABLE ON SNOW, ICE, MUD, OR WATER. WHILE THE GT-5/GAZ-47 (FOM-2354-2-2-5), SUPERSTRUCTURE IS USED, THE CATERPILLAR-TYPE TRACKS WERE REPLACED BY TWO RUSTPROOF STEEL CYLINDRICAL ROTORS WHICH ARE FILLED WITH PLASTIC FOAM AND FITTED WITH SPIRAL BLADES. THE CYLINDERS, WHEN ROTATED (THE ARCHIMEDES' SCREW PRINCIPLE), PROPEL THE VEHICLE FORWARD, BACKWARD, OR SIDeways-AND PROVIDE FLOTATION. IN ADDITION, THE GPI-63 CAN TURN AROUND IN ITS OWN LENGTH AND CLIMB STEEP SLOPES.

(U)THE GPI-63 HAS A TWO-SEAT CAB AND A METAL BODY WITH A HINGED TAILGATE. THE CAB AND THE CARGO AREA ARE CONNECTED BY A MATCH, AND THEY ARE BOTH HEATED. ICE-CUTTING GEAR IS PROVIDED FOR CHOPPING ICE AROUND WINTERING SHIPS, SAFEGUARDING HYDROTECHNICAL STRUCTURES, AND OTHER PURPOSES.

(U)OVER 20 OF THESE VEHICLES HAD BEEN SERIALY PRODUCED BY FEBRUARY 1968.

DATE CATALOGED: 01JUN69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-4-1-A
 NOMEN: SNOW VEHICLE GPI-63

CATALOG: TB-381-5-22
 (OLD 2-2353-4-1)
 COUNTRY: U.S.S.R.
 DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1968-DATES/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 3,010
 -PAYLOAD ----- 1200
 -GROSS ----- 4810
 PERSONNEL LOAD --- 2 FRONT 9 REAR
 MAX TOWED LOAD --- 14,510 (S-100B TRACTOR-
 - BULLDOZER

VEHICLE DIMENSIONS:

LENGTH (MM)-
 -O/ALL ----- 4910
 -OF CYLINDERS -- ?
 -GROUND CONTACT
 WIDTH (MM)-
 -O/ALL ----- ?
 -C TO C OF CYL -- ?
 -C TO C OF TRK -- N/A
 -TRACK ----- N/A
 HGT O/ALL (MM) --- 1950
 CARGO SPACE (MM)-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES -- ?
 DIA OF CYL (MM) -- ?
 GND CLEARANCE (MM) 40.
 GND PRESS (KG/CM2) 0.20
 PINTLE HGT (MM) -- ?

PERFORMANCE:

MAX GRADIENT (PCT)-
 -EMPTY ----- 75%
 -LOADED ----- 60%
 TURNING RADIUS (MM) --- 2400
 FORDING DEPTH (MM) --- AMPHIBIOUS
 FUEL CONS
 -SNOW-LOADED (L/100KM)?
 -WATER-LOADED (L/HR) ?
 CRUISING RANGE (KM)-
 -SNOW-LOADED ----- ?
 -WATER-LOADED ----- ?
 MAX SPEED (KM/HR)-
 -ON SNOW ----- 20
 -IN WATER ----- 10
 TRENCH CROSSING ABILITY ?
 VERT OBSTACLE ABILITY - ?

ENGINE:

MODEL ----- GAZ-51
 TYPE ----- 6 CYL IN-LINE, 4 CYCLE
 MAX HP AT RPM ----- 70 AT 2800
 LOCATION ----- FRONT
 FUEL ----- GASOLINE
 COOLING SYS-TYPE ----- LIQUID
 FOM NR ----- FOM-2805-2-1-9

GENERAL DATA:

FUEL CAP (LITERS)-
 -MAIN TANK ----- 200
 -AUX TANK ----- N/A
 BRAKES-PRIMARY TYPE -- REVERSING CYLINDER
 - ROTATION
 SUSPENSION SYSTEM-
 TYPE ----- ?
 ROAD WHEELS (NR) ----- N/A
 -DIAMETER (MM) ----- N/A
 SUPPORT ROLLERS (NR) - N/A
 TRACK TYPE ----- N/A
 TIRES ----- N/A
 -SIZE ----- N/A
 -NUMBER ----- N/A
 TRANSMISSION-TYPE ---- SLIDING GEAR
 - SELECTIVE
 NR SPEEDS-
 -FWD ----- ?
 -RVRS ----- ?
 ELECTRICAL SYSTEM ---- 12V

REMARKS:

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-2-4-1-B
NOMEN: SNOW VEHICLE GPI-63
PRODUCED/ADOPTED: 1968-DATE/

CATALOG: TB-301-5-22
IOLD 2-2353-4-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 06SEP73



DATE CATALOGED: 01JUN69
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2353-2-4-1-B
NOMEN: SNOW VEHICLE GPI-63
PRODUCED/ADOPTED: 1968-DATE/

CATALOG: TB-381-5-22
(OLD 2-2353-4-1)
COUNTRY: U.S.S.R.
DATE UPDATED: 06SEP73

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DATE CATALOGED: 01JUN69
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U N C L A S S I F I E D

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FOM-2353-17-1-1-A

CATALOG: 78-381-5-22

NOMEN: SNOW VEHICLE, CARRIER TRACKED, 542 ACF (ALMAT)

(OLD 17-2353-1-1)

NATIVE DES: ALMAT-SNOCAT TYPE 542 ACF
PRODUCED/ADOPTED: PROTOTYPE/COUNTRY: FRANCE
DATE UPDATED: 12JUL79

(U)THE FRENCH ARMY IS CURRENTLY TESTING A NEW TRACKED CARRIER, THE "SNO-CAT", MANUFACTURED BY THE FRENCH COMPANY ALMAT. IT HAS A CREW OF TWO AND CAN TRANSPORT AN ADDITIONAL EIGHT SOLDIERS. THIS VEHICLE IS ESPECIALLY DESIGNED FOR USE AS A TRACTOR FOR THE 105-MM HOWITZER AND THE 120-MM MORTAR. THREE PROTOTYPES ARE CURRENTLY BEING FIELD TESTED. THE ENGINE IS A WATER-COOLED V-8 WITH A MAXIMUM HORSEPOWER OF 200 (SAE) AT 4000 RPM AND IS HOOKED UP TO A HYDRAULICALLY OPERATED SINGLE-DISK CLUTCH. IT HAS A FULLY SYNCHROMESH TRANSMISSION WITH FOUR SPEEDS FORWARD AND ONE REVERSE. THE FOUR TRACKS HAVE PNEUMATIC ROAD WHEELS WITH RUBBER GROUSERS FOR BETTER TRACTION. THE EXTREMELY LARGE TIREPRINT RESULTS IN A LOW GROUND PRESSURE OF 6.75 KILOGRAMS/SQUARE CENTIMETER. IF THE TEST RESULTS ARE POSITIVE, SUCH VEHICLES WILL BE ISSUED TO THE ALPINE CORPS.

DATE CATALOGED: 01JAN73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2353-17-1-1-A
 NOMEN: SNOW VEHICLE, CARRIER TRACKED, 542 ACF (ALMAT)

CATALOG: TB-381-5-22
 (OLD 17-2353-1-1)
 COUNTRY: FRANCE
 DATE UPDATED: 12JUL73

PRODUCED/ADOPTED: PROTOTYPE/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 3600
 -PAYLOAD ----- ?
 -GROSS ----- ?
 PERSONNEL LOAD --- 8 SOLDIERS
 MAX TOWED LOAD --- ?

VEHICLE DIMENSIONS:

LENGTH (MM)-

-O/ALL ----- 5040
 -OF CYLINDERS --- N/A
 -GROUND CONTACT ?

WIDTH (MM)-

-O/ALL ----- 2480
 -C TO C OF CYL --- N/A
 -C TO C OF TRK --- ?
 -TRACK ----- 700

HGT O/ALL (MM) --- 2700

CARGO SPACE (MM)-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES --- ?
 DIA OF CYL (MM) --- N/A
 GND CLEARANCE (MM) 500
 GND PRESS (KG/CM2) 0.065
 PINTLE HGT (MM) --- ?

PERFORMANCE:

MAX GRADIENT (PCT)-

-EMPTY ----- 60%
 -LOADED ----- ?

TURNING RADIUS (MM) --- ?

FORDING DEPTH (MM) ---- ?

FUEL CONS

-SNOW-LOADED (L/100KM)?
 -WATER-LOADED (L/HR) ?

CRUISING RANGE (KM)-

-SNOW-LOADED ----- ?
 -WATER-LOADED ----- ?

MAX SPEED (KM/HR)-

-ON SNOW ----- 25
 -IN WATER ----- N/A

TRENCH CROSSING ABILITY ?

VERT OBSTACLE ABILITY - 400

ENGINE:

MODEL ----- CHEVROLET
 TYPE ----- V-8
 MAX HP AT RPM ----- 200 (SAE) @ 4000
 LOCATION ----- FRONT
 FUEL ----- GASOLINE
 COOLING SYS-TYPE ----- LIQUID
 FGM NR ----- N/A

GENERAL DATA:

FUEL CAP (LITERS)-

-MAIN TANK ----- ?
 -AUX TANK ----- ?

BRAKES-PRIMARY TYPE --- ?

SUSPENSION SYSTEM-

TYPE ----- PLATE SPRINGS

ROAD WHEELS (NR) ----- ?

-DIAMETER (MM) ----- ?

SUPPORT ROLLERS (NR) - ?

TRACK TYPE ----- RUBBER W/GOUSERS

TIRES ----- PNEUMATIC

-SIZE ----- ?

-NUMBER ----- ?

TRANSMISSION-TYPE ---- FULLY SYNCHRONIZED

NR SPEEDS-

-FWD ----- 4
 -RVRS ----- 1

ELECTRICAL SYSTEM ---- 24 (2 12V BTRY)

REMARKS:

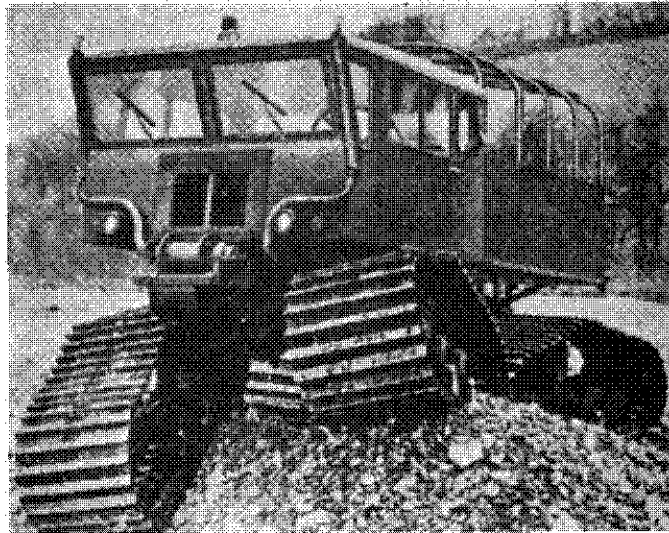
DATE CATALOGED: 01JAN73
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U N C L A S S I F I E D

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FOM-2353-17-1-1-B
NOMEN: SNOW VEHICLE, CARRIER TRACKED, 542 ACF (ALMAT
PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22
(OLD 17-2353-1-1)
COUNTRY: FRANCE
DATE UPDATED: 12JUL73



DATE CATALOGED: 01JAN73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-17-1-1-8

NOMEN: SNOW VEHICLE, CARRIER TRACKED, 542 ACF (ALMAT

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22
(OLD 17-2353-1-1)
COUNTRY: FRANCE
DATE UPDATED: 12JUL73

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DATE CATALOGED: 01JAN73
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U N C L A S S I F I E D

U N C L A S S I F I E D

FCM-2353-19-1-1-A

CATALOG: TB-381-5-22

NOMEN: SNOW VEH., CARRIER, TRACKED, AMP, ARTICULATED, MD BV202A, BANDVAGN

(OLD 19-2353-1-1)

NATIVE DES: BANDVAGNEN BV 202A

COUNTRY: SWEDEN

PRODUCED/ADOPTED: 1958-DATE/

DATE UPDATED: 06SEP73

(U)THE BV 202A, ALSO KNOWN AS THE BANDVAGN 202A, IS THE LATEST SNOW VEHICLE DEVELOPED BY SWEDEN. THIS CROSS-COUNTRY AMPHIBIOUS VEHICLE WAS DESIGNED BY THE SWEDISH ARMY ORDNANCE ADMINISTRATION AND PRODUCED BY THE BOLINDER MUNKTEL PLANT.

(U)STEERING OF THE BV 202A IS THROUGH ARTICULATION. THE STEERING WHEEL CONTROLS A HYDRAULICALLY ACTIVATED PISTON WHICH ALTERS THE ALIGNMENT OF THE FRONT AND REAR UNITS. EQUAL POWER IS APPLIED TO ALL TRACKS OF BOTH UNITS AT ALL TIMES.

(U)THE HULL OF THE BV 202A IS SEALED, PERMITTING THE VEHICLE TO TRAVEL IN WATER WITH PROPULSION FURNISHED BY THE TRACKS. IN ADDITION TO ITS PAYLOAD, THE VEHICLE CAN TOW 20 SKI TROOPS.

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-19-1-1-A

NOMEN: SNOW VEH., CARRIER, TRACKED, AMP, ARTICULATED, MD BV202A, SANDVAGN

CATALOG: T8-381-9-22

IOLD 19-2353-1-1}

COUNTRY: SWEDEN

DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1958-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 3111
 -PAYLOAD ----- 993
 -GROSS ----- 4104
 PERSONNEL LOAD --- 8 ?
 MAX TOWED LOAD --- ?

VEHICLE DIMENSIONS:

LENGTH (MM)-
 -O/ALL ----- 6185
 -OF CYLINDERS -- N/A
 -GROUND CONTACT ?
 WIDTH (MM)-
 -O/ALL ----- 1645
 -C TO C OF CYL -- N/A
 -C TO C OF TRK -- 1130
 -TRACK ----- 520
 HGT O/ALL (MM) --- 2190
 CARGO SPACE (MM)-
 -LENGTH ----- 2301
 -WIDTH ----- 1600
 -HGT OF SIDES -- 1405
 DIA OF CYL (MM) -- N/A
 GND CLEARANCE (MM) 268
 GND PRESS (KG/CM2) 408
 PINTLE HGT (MM) -- ?

PERFORMANCE:

MAX GRADIENT (PCT)-
 -EMPTY ----- 60
 -LOADED ----- 60
 TURNING RADIUS (MM) --- 665
 FORDING DEPTH (MM) --- AMPHIBIOUS
 FUEL CONS
 -SNOW-LOADED (L/100KM) 39
 -WATER-LOADED (L/HR) ?
 CRUISING RANGE (KM)-
 -SNOW-LOADED ----- 200
 -WATER-LOADED ----- ?
 MAX SPEED (KM/HR)-
 -ON SNOW ----- 40
 -IN WATER ----- ?
 TRENCH CROSSING ABILITY 1537
 VERT OBSTACLE ABILITY - 457

REMARKS:

1/ BOGIE, FULL-TRACK LAYING, TORISON BAR
 2/ RUBBER BELT, WIRE REINFORCED W/STEEL
 GROWSERS.

ENGINE:

MODEL ----- 818-496813, VOLVO
 TYPE ----- 4-CYL, VALVE IN HEAD
 MAX HP AT RPM ----- 91 AT 5300
 LOCATION ----- FRONT
 FUEL ----- GASOLINE
 COOLING SYS-TYPE ---- PRESSURIZED LIQUID
 FOM NR ----- N/A

GENERAL DATA:

FUEL CAP (LITERS)-
 -MAIN TANK ----- 78
 -AUX TANK ----- N/A
 BRAKES-PRIMARY TYPE -- HYDRAULIC, INTERNAL
 - EXPANDING, FOOT-OPERATED
 SUSPENSION SYSTEM-
 TYPE ----- *1
 ROAD WHEELS (NR) ---- 20 (5 EACH SIDE PER UNIT)
 -DIAMETER (MM) ----- ?
 SUPPORT ROLLERS (NR) - 8 (2 EACH SIDE PER UNIT)
 TRACK TYPE ----- *2
 TIRES -----
 -SIZE ----- ?
 -NUMBER ----- ?
 TRANSMISSION-TYPE ---- STANDARD
 NR SPEEDS-
 -FWD ----- 4
 -RVRS ----- 1
 ELECTRICAL SYSTEM ---- 12V

DATE CATALOGED: 01MAR66
 VOLUME 22, PAGE 1076

U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2353-19-1-1-8

NOMEN: SNOW VEH., CARRIER, TRACKED, AMP, ARTICULATED, MD BV202A, BANDVAGN

PRODUCED/ADOPTED: 1958-DATE/

CATALOG: TR-381-5-22
(OLD 19-2353-1-1)
COUNTRY: SWEDEN
DATE UPDATED: 06SEP73



DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-19-1-I-6

NOMEN: SNOW VEH., CARRIER, TRACKED, AMP, ARTICULATED, MO BY202A, BANDVAGN

PRODUCED/ADOPTED: 1958-DATE/

CATALOG: TB-381-5-22

(OLD 19-2353-1-11

COUNTRY: SWEDEN

DATE UPDATED: 06SEP73

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DATE CATALOGED: 01MAR66
VOLUME 22, PAGE 1078

U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2353-19-1-2-2-A

CATALOG: TB-381-5-22

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, SNOW-TRAC, ST4

(OLD 19-2353-1-2-2)

NATIVE DES: 7

COUNTRY: SWEDEN

PRODUCED/ADOPTED: 1962-DATE/

DATE UPDATED: 30AUG73

(U)THE SNOW TRAC ST4 IS A LIGHTWEIGHT VEHICLE ADAPTABLE FOR OPERATION IN FORESTED OR MOUNTAINOUS REGIONS OR NARROW-CLEARINGS. FIRST PRODUCED IN 1962 BY A.B. WESTERASHASINER, STOCKHOLM, THE ST4 REPLACES THE OLDER ST2 AND SR-2. IN ADDITION TO ITS PAYLOAD, THE ST4 CAN TOW A SLED WITH A HALF-TON CARGO.

(U)TESTED IN THE ANTARCTIC IN 1962, THE ST4 IS THE MOST RECENT VERSION OF THE ST2, ITS MOST SIGNIFICANT MODIFICATION BEING THE STRENGTHENING OF THE FRAME AND SUSPENSION SYSTEM. THE ST4 IS POWERED BY A PORSCHE 1300 CC ENGINE FOR ANTARCTIC USE AND A VOLKSWAGON ENGINE FOR LESS DEMANDING USE.

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-19-1-2-2-A

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, SNOW-TRAC, ST4

CATALOG: TB-381-5-22

(OLD 19-2353-1-2-2)

COUNTRY: SWEDEN

DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1962-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 1150
 -PAYLOAD ----- 500
 -GROSS ----- 1650
 PERSONNEL LOAD --- 6
 MAX TOWED LOAD --- 7

VEHICLE DIMENSIONS:

LENGTH (MM)-
 -O/ALL ----- 3660
 -OF CYLINDERS -- N/A
 -GROUND CONTACT ?
 WIDTH (MM)-
 -O/ALL ----- 1920
 -C TO C OF CYL -- N/A
 -C TO C OF TRK -- ?
 -TRACK ----- ?
 HGT O/ALL (MM) --- 1800
 CARGO SPACE (MM)-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES -- ?
 DIA OF CYL (MM) -- N/A
 GND CLEARANCE (MM) 300
 GND PRESS (KG/CM2) 0.05
 PINTLE HGT (MM) -- ?

PERFORMANCE:

MAX GRADIENT (PCT)-
 -EMPTY ----- ?
 -LOADED ----- 60
 TURNING RADIUS (MM) --- ?
 FORDING DEPTH (MM) ---- ?
 FUEL CONS
 -SNOW-LOADED (L/100KM)*5
 -WATER-LOADED (L/HR) N/A
 CRUISING RANGE (KM)-
 -SNOW-LOADED ----- *3
 -WATER-LOADED ----- N/A
 MAX SPEED (KM/HR)-
 -ON SNOW ----- *4
 -IN WATER ----- N/A
 TRENCH CROSSING ABILITY ?
 VENT OBSTACLE ABILITY - ?

ENGINE:

MODEL ----- VW OR PORSCHE 1300
 TYPE ----- 4 CYL, 4, CYCLE
 MAX HP AT RPM ----- 34 @ 3400
 LOCATION ----- FRONT
 FUEL ----- GASOLINE
 COOLING SYS-TYPE ---- AIR
 FOM NR ----- N/A

GENERAL DATA:

FUEL CAP (LITERS)-
 -MAIN TANK ----- 400
 -AUX TANK ----- N/A
 BRAKES-PRIMARY TYPE -- HYDRAULIC, INTERNAL
 - EXPANDING, FOOT OPERATED
 SUSPENSION SYSTEM-
 TYPE ----- *1
 ROAD WHEELS (NR) ---- 14
 -DIAMETER (MM) ---- ?
 SUPPORT ROLLERS (NR) - 2 (1 EACH SIDE)
 TRACK TYPE ----- *2
 TIRES ----- ?
 -SIZE ----- ?
 -NUMBER ----- ?
 TRANSMISSION-TYPE ---- VOLKSWAGEN
 NR SPEEDS-
 -FWD ----- 4
 -RVRS ----- 1
 ELECTRICAL SYSTEM ---- 6 VOLT

REMARKS:

1/ BOGIE, FULL-TRACK LAYING, SEMIELLPTIC AND
 COIL SPRINGS
 2/ RUBBER BELT, WIRE REINFORCED W/STEEL
 GROUSERS
 3/ MAX ROAD CRUISING RANGE: 1180 KM
 4/ MAX SPEED, ROAD: 24 KM/H
 5/ FUEL CONSUMPTION: 34 LITER/100 KM

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-19-1-2-2-8

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, SNOW-TRAC, ST4

PRODUCED/ADOPTED: 1962-DATE/

CATALOG: TB-381-5-22

(OLD 19-2353-1-2-2)

COUNTRY: SWEDEN

DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2353-19-1-2-2-B

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, SNOW-TRAC, ST4

PRODUCED/ADOPTED: 1962-DATE/

CATALOG: TB-381-5-22

(OLD 19-2353-1-2-2)

COUNTRY: SWEDEN

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2353-30-1-1-A

CATALOG: TB-381-5-22

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, KC40-3

(OLD 30-2353-1-11

NATIVE DES: ?

COUNTRY: JAPAN

PRODUCED/ADOPTED: 1955- ? /

DATE UPDATED: 27JUL73

(U)THE KC 40-3, A MEDIUM-SIZED SNOW VEHICLE, IS USED AS A PRIME MOVER AND PERSONNEL CARRIER. WHEN FULLY LOADED IT CAN ALSO TOW A 1.5-METRIC TONSLED. THE VEHICLE WAS DESIGNED AND PRODUCED JOINTLY BY THE KOMATSU MANUFACTURING CO., LTD., AND THE OHARA IRON WORKS, LTD., FOR BOTH CIVILIAN AND MILITARY USE.

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-30-1-1-A
 NOMEN: SNOW VEHICLE, CARRIER, TRACKED, KC40-3

CATALOG: TB-381-5-22
 (OLD 30-2353-1-1)
 COUNTRY: JAPAN
 DATE UPDATED: 27JUL73

PRODUCED/ADOPTED: 1955- ? /

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 2820
 -PAYLOAD ----- 898
 -GROSS ----- 3718
 PERSONNEL LOAD --- 9
 MAX TOWED LOAD --- ?

VEHICLE DIMENSIONS:

LENGTH (MM)-
 -O/ALL ----- 4085
 -OF CYLINDERS -- N/A
 -GROUND CONTACT ?
 WIDTH (MM)-
 -O/ALL ----- 2012
 -C TO C OF CYL - N/A
 -C TO C OF TRK - 1341
 -TRACK ----- 550
 HGT O/ALL (MM) --- 2043
 CARGO SPACE (MM)-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES -- ?
 DIA OF CYL (MM) -- N/A
 GND CLEARANCE (MM) 300
 GND PRESS (KG/CM2) .105
 PINTLE HGT (MM) -- ?

PERFORMANCE:

MAX GRADIENT (PCT)-
 -EMPTY ----- ?
 -LOADED ----- 84%
 TURNING RADIUS (MM) --- ?
 FORDING DEPTH (MM) ---- ?
 FUEL CONS
 -SNOW-LOADED (L/100KM) 67
 -WATER-LOADED (L/HR) N/A
 CRUISING RANGE (KM)-
 -SNOW-LOADED ----- 135
 -WATER-LOADED ----- N/A
 MAX SPEED (KM/HR)-
 -ON SNOW ----- 40
 -IN WATER ----- N/A
 TRENCH CROSSING ABILITY 100%
 VERT OBSTACLE ABILITY - ?

ENGINE:

MODEL ----- TOYOTA F
 TYPE ----- 6-CYL, 4 CYC, OHV
 MAX HP AT RPM ----- 110 @ 3400
 LOCATION ----- FRONT
 FUEL ----- GASOLINE
 COOLING SYS-TYPE ---- LIQUID
 FOM NR ----- N/A

GENERAL DATA:

FUEL CAP (LITERS)-
 -MAIN TANK ----- 90
 -AUX TANK ----- N/A
 BRAKES-PRIMARY TYPE -- EXTERNAL CONTRACTING
 SUSPENSION SYSTEM-
 TYPE ----- BOGIE, TORSION BAR
 ROAD WHEELS (NR) ---- 8-DUAL EACH SIDE
 -DIAMETER (MM) ---- 25
 SUPPORT ROLLERS (NR) - 2 EACH SIDE
 TRACK TYPE ----- #1
 TIRES ----- N/A
 -SIZE ----- N/A
 -NUMBER ----- N/A
 TRANSMISSION-TYPE ---- STANDARD
 NR SPEEDS-
 -FWD ----- 4
 -RVRS ----- 1
 ELECTRICAL SYSTEM ---- 12V

REMARKS:

1/ TWO-ROW, DOUBLE LINK CHAIN W/
 RUBBER RAIL

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOH-2353-30-1-1-8

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, KC40-3

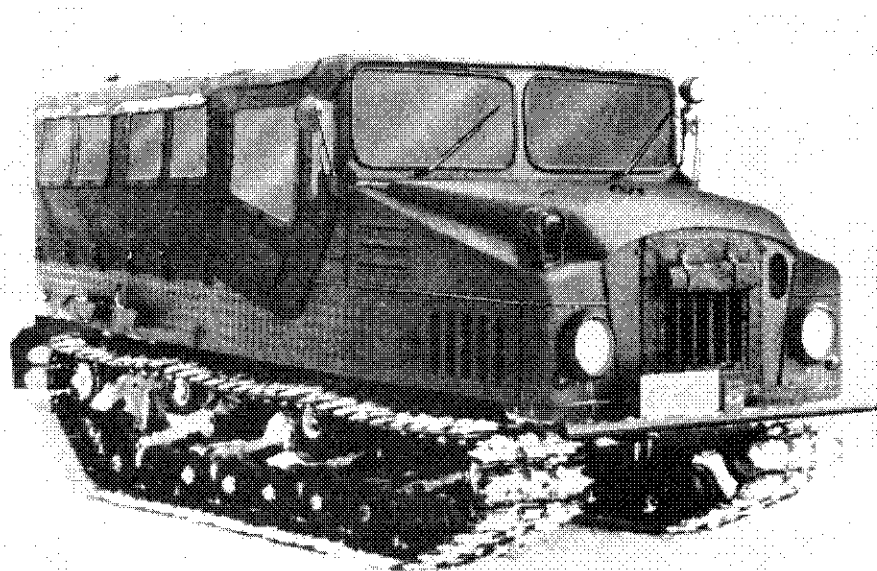
PRODUCED/ADOPTED: 1955- ? /

CATALOG: Y8-381-5-22

(OLD 30-2353-1-1)

COUNTRY: JAPAN

DATE UPDATED: 27JUL73



DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FGM-2353-30-1-1-B

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, KC40-3

PRODUCED/ADOPTED: 1955- ? /

CATALOG: TB-381-5-22

(OLD 30-2353-1-1)

COUNTRY: JAPAN

DATE UPDATED: 27JUL73

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DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-30-1-2-A

CATALOG: TB-381-5-22

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, KC50-2

(OLD 30-2353-1-2)

NATIVE DES: ?

COUNTRY: JAPAN

PRODUCED/ADOPTED: 1955 TO ??

DATE UPDATED: 30AUG73

(U)THE KC 50-2 IS THE LARGEST SNOW VEHICLE MADE IN JAPAN. IT WAS DEVELOPED AND PRODUCED JOINTLY BY OHARA IRON WORKS, LTD., AND THE KOMATSU MANUFACTURING CO., LTD., UNDER CONTRACT FROM THE JAPANESE DEFENSE AGENCY.

(U)THE FIRST PROTOTYPE OF THE KC 50-2 WAS BUILT IN 1955, AND SEVERAL DIFFERENT MODELS HAVE BEEN PRODUCED SINCE THEN. THE VEHICLE WAS DESIGNED TO HAUL CARGO, PERSONNEL, AND ARTILLERY OVER DEEP SNOW COVER.

(U)THE ENGINE IS EQUIPPED WITH A TURBOCHARGER FOR HIGH-ALTITUDE OPERATIONS. TO MEET AIR TRANSPORTABILITY REQUIREMENTS, PRODUCTION UNITS WILL BE CONSTRUCTED OF DURALUMIN FOR LIGHTER WEIGHT.

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-30-1-2-A
 NOMEN: SNOW VEHICLE, CARRIER, TRACKED, KC50-2

CATALOG: TB-381-5-22
 (OLD 30-2353-1-2)
 COUNTRY: JAPAN
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1955 TO ??

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 5150
 -PAYLOAD ----- 1280
 -GROSS ----- 6430
 PERSONNEL LOAD --- 11 INCLUDING DRIVER
 MAX TOWED LOAD --- ?

VEHICLE DIMENSIONS:

LENGTH (MM)-
 -O/ALL ----- 5340
 -OF CYLINDERS -- N/A
 -GROUND CONTACT 3000
 WIDTH (MM)-
 -O/ALL ----- 2500
 -C TO C OF CYL -- N/A
 -C TO C OF TRK - 1710
 -TRACK ----- 790
 HGT O/ALL (MM) --- 2200
 CARGO SPACE (MM)-
 -LENGTH ----- N/A
 -WIDTH ----- N/A
 -HGT OF SIDES --- N/A
 DIA OF CYL (MM) --- N/A
 GND CLEARANCE (MM) 340
 GND PRESS (KG/CM2) 0.135 LOADED
 PINTLE HGT (MM) -- ?

PERFORMANCE:

MAX GRADIENT (PCT)-
 -EMPTY ----- ?
 -LOADED ----- 84%
 TURNING RADIUS (MM) --- 8.2
 FORDING DEPTH (MM) --- ?
 FUEL CONS
 -SNOW-LOADED (L/100KM) -SNOW-LOADED (L/100KM)
 -WATER-LOADED (L/HR) N/A
 CRUISING RANGE (KM)-
 -SNOW-LOADED ----- 166 (ROAD)
 -WATER-LOADED ----- N/A
 MAX SPEED (KM/HR)-
 -ON SNOW ----- 37 (ROAD)
 -IN WATER ----- N/A
 TRENCH CROSSING ABILITY 1500
 VERT OBSTACLE ABILITY - ?

ENGINE:

MODEL ----- ISUZU DA-120T
 TYPE ----- 6-CYL.
 MAX HP AT RPM ----- 155 AT 2600
 LOCATION ----- FRONT
 FUEL ----- DIESEL
 COOLING SYS-TYPE ----- LIQUID
 FOM NR ----- N/A

GENERAL DATA:

FUEL CAP (LITERS)-
 -MAIN TANK ----- 160
 -AUX TANK ----- N/A
 BRAKES-PRIMARY TYPE -- EXTERNAL CONTRACTING
 SUSPENSION SYSTEM-
 TYPE ----- BOGIE, TORISON BAR
 ROAD WHEELS (NR) --- 8 DUAL EACH SIDE
 -DIAMETER (MM) --- ?
 SUPPORT ROLLERS (NR) - 3 EACH SIDE
 TRACK TYPE ----- #1
 TIRES ----- SOLID RUBBER
 -SIZE ----- 300 MM DIA
 -NUMBER ----- 32
 TRANSMISSION-TYPE --- MECHANICAL
 NR SPEEDS-
 -FWD ----- 5
 -RVRS ----- 1
 ELECTRICAL SYSTEM --- 6 (TWO BATTERIES)

REMARKS:

1/ FOUR ROW, DOUBLE LINK CHAIN W/RUBBER RAIL

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U N C L A S S I F I E D

U N C L A S S I F I E D

POM-2353-30-1-2-B

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, KC50-2

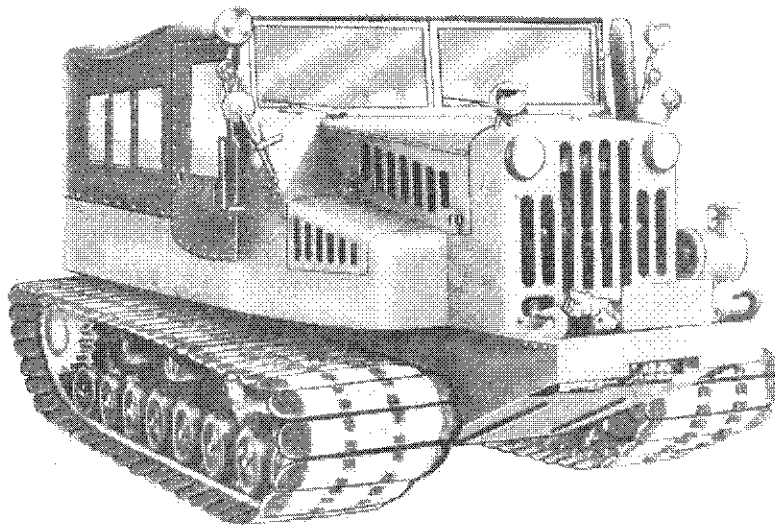
PRODUCED/ADOPTED: 1955 TO 77

CATALOG: T8-381-5-22

(OLD 30-2353-1-2)

COUNTRY: JAPAN

DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-30-1-2-8

NGMEN: SNOW VEHICLE, CARRIER, TRACKED, KC50-2

PRODUCED/ADOPTED: 1955 TO 77

CATALOG: TB-381-5-22

(OLD 30-2353-1-2)

COUNTRY: JAPAN

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-30-1-3-1-A

CATALOG: TB-381-5-22

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, KC-20-35

(OLD 30-2353-1-3-1)

NATIVE DES: ?

COUNTRY: JAPAN

PRODUCED/ADOPTED: 1960-DATE?

DATE UPDATED: 08AUG73

(U)THE KC 20-35 WAS ORIGINALLY DEVELOPED AS THE KC 20 BY THE KOMATSU MANUFACTURING CO., LTD, IN 1952. SUBSEQUENT RESEARCH, TESTING, AND DEVELOPMENT LED TO MANY IMPROVEMENTS RESULTING IN THE MANUFACTURE AND SALE OF THE PRESENT MODEL IN 1960 AS A REGULAR PRODUCT. IT IS USED EXTENSIVELY IN SUCH SNOW-BOUND AREAS AS HOKKAIDO, TOKOKU, AND SHINETSU, AS WELL AS IN SUPPORT OF ANTARTIC EXPEDITIONS WHERE ITS HIGH PERFORMANCE WAS SUCCESSFULLY DEMONSTRATED.

(U)SPECIAL TRACKS OF LIGHTWEIGHT CONSTRUCTION AND ADEQUATE STRENGTH ARE USED TO IMPART TO THE VEHICLE JUST ENOUGH ADHESION WHILE PRESERVING SUFFICIENT FLOTATION TO KEEP SINKAGE AT A MINIMUM. THEREFORE, THE VEHICLE IS CAPABLE OF EFFICIENT OPERATION UNDER NEARLY ALL CONDITIONS OF SNOWFALL.

DATE CATALOGED: 01OCT71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-30-1-3-1-A
 NOMEN: SNOW VEHICLE, CARRIER, TRACKED, KC-20-35

CATALOG: TB-381-5-22
 (OLD 30-2353-1-3-1)
 COUNTRY: JAPAN
 DATE UPDATED: 08AUG73

PRODUCED/ADOPTED: 1960-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 2400
 -PAYLOAD ----- 494
 -GROSS ----- 2894
 PERSONNEL LOAD --- 9
 MAX TOWED LOAD --- ?

VEHICLE DIMENSIONS:

LENGTH (MM)-
 -O/ALL ----- 4055
 -OF CYLINDERS -- N/A
 -GROUND CONTACT 2378
 WIDTH (MM)-
 -O/ALL ----- 2012
 -C TO C OF CYL -- N/A
 -C TO C OF TRK -- 1341
 -TRACK ----- 518
 HGT O/ALL (MM) --- 1890
 CARGO SPACE (MM)-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES -- ?
 DIA OF CYL (MM) -- N/A
 GND CLEARANCE (MM) 239
 GND PRESS (KG/CM2) .10
 PINTLE HGT (MM) -- ?

PERFORMANCE:

MAX GRADIENT (PCT)-
 -EMPTY ----- 84
 -LOADED ----- ?
 TURNING RADIUS (MM) --- ?
 FORDING DEPTH (MM) --- ?
 FUEL CONS
 -SNOW-LOADED (L/100KM) 4.1
 -WATER-LOADED (L/HR) N/A
 CRUISING RANGE (KM)-
 -SNOW-LOADED ----- 2200
 -WATER-LOADED ----- N/A
 MAX SPEED (KM/HR)-
 -ON SNOW ----- 45
 -IN WATER ----- N/A
 TRENCH CROSSING ABILITY 1006
 VERT OBSTACLE ABILITY - ?

ENGINE:

MODEL ----- TOYOTA F-105
 TYPE ----- *1
 MAX HP AT RPM ----- 105 AT 3200
 LOCATION ----- FRONT
 FUEL ----- GASOLINE
 COOLING SYS-TYPE ---- WATER COOLED
 FOM NR ----- N/A

GENERAL DATA:

FUEL CAP (LITERS)-
 -MAIN TANK ----- 90
 -AUX TANK ----- N/A
 BRAKES-PRIMARY TYPE -- EXTERNAL CONTRACTING
 SUSPENSION SYSTEM-
 TYPE ----- BOGIE TORSION BAR
 ROAD WHEELS (NR) ---- 8 DUAL EA SIDE
 -DIAMETER (MM) ---- 235
 SUPPORT ROLLERS (NR) - 2 EA SIDE
 TRACK TYPE ----- *2
 TIRES ----- N/A
 -SIZE ----- N/A
 -NUMBER ----- N/A
 TRANSMISSION-TYPE ---- STANDARD
 NR SPEEDS-
 -FWD ----- 4
 -RVRS ----- 1
 ELECTRICAL SYSTEM ---- 12V

REMARKS:

1/ WATER COOLED 4-CYCLE, OHV, GASOLINE
 2/ TWO-ROW DOUBLE LINK CHAIN, W/RUBBER RAIL

DATE CATALOGED: 01OCT71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-30-1-3-1-B

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, KC-20-35

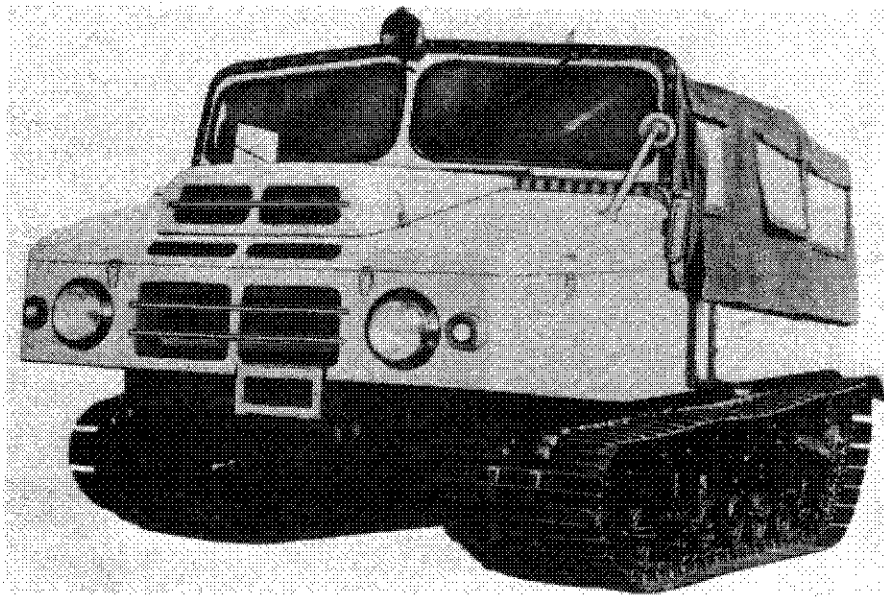
PRODUCED/ADOPTED: 1960-DATE/

CATALOG: TB-381-5-22

(OLD 30-2353-1-3-1)

COUNTRY: JAPAN

DATE UPDATED: 08AUG73



DATE CATALOGED: 01OCT71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-30-1-3-1-8

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, KC-20-35

PRODUCED/ADOPTED: 1960-DATE/

CATALOG: TB-381-5-22

(OLD 30-2353-1-3-1)

COUNTRY: JAPAN

DATE UPDATED: 08AUG73

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DATE CATALOGED: 01OCT71
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-3-A

CATALOG: T8-381-5-22

NOMEN: SNOW VEHICLE, CARRIER, HALF-TRACKED W/SKIS, R18 BOMBARDIER

(OLD 38-2353-1-3)

NATIVE DES: SNOWMOBILE R18 BOMBARDIER

COUNTRY: CANADA

PRODUCED/ADOPTED: 1942-43/

DATE UPDATED: 30AUG73

(U)THE R18 BOMBARDIER IS AN OVERSNOW VEHICLE COMMONLY USED COMMERCIALY IN CANADA. THE CANADIAN ARMY TESTED A MILITARY MODIFICATION OF THIS TYPE OF VEHICLE WHEN THE GOVERNMENT FIRST BECAME INTERESTED IN SNOW VEHICLES IN 1942. ALTHOUGH IT WAS FOUND NOT TO BE AS SATISFACTORY AS A HALF-TRACKED VEHICLE, IT WAS USED IN MILITARY OPERATIONS AS AN INTERIM MEASURE.

(U)MANUFACTURED BY BOMBARDIER SNOWMOBILE, LTD., VALEDCURT, QUEBEC, THE R18 WAS USED PRIMARILY FOR TRANSPORTING PERSONNEL AND CARGO IN ARCTIC AND SUB-ARCTIC REGIONS.

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-3-A

NOMEN: SNOW VEHICLE, CARRIER, HALF-TRACKED W/SKIS, RIB BOMBARDIER

CATALOG: TB-381-5-22

(OLD 38-2353-1-3)

COUNTRY: CANADA

DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1942-43/

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 2270

-PAYLOAD ----- ?

-GROSS ----- ?

PERSONNEL LOAD --- 6

MAX TOWED LOAD --- ?

VEHICLE DIMENSIONS:

LENGTH (MM)-

-O/ALL ----- 5640

-OF CYLINDERS -- N/A

-GROUND CONTACT N/A

WIDTH (MM)-

-O/ALL ----- 1980

-C TO C OF CYL -- N/A

-C TO C OF TRK - 1645

-TRACK ----- 430

HGT O/ALL (MM) --- 1980

CARGO SPACE (MM)-

-LENGTH ----- ?

-WIDTH ----- ?

-HGT OF SIDES -- ?

DIA OF CYL (MM) -- N/A

GND CLEARANCE (MM) 330

GND PRESS (KG/CM2) 0.11

PINTLE HGT (MM) -- ?

PERFORMANCE:

MAX GRADIENT (PCT)-

-EMPTY ----- ?

-LOADED ----- 60%

TURNING RADIUS (MM) --- ?

FORDING DEPTH (MM) ---- ?

FUEL CONS

-SNOW-LOADED (L/100KM)?

-WATER-LOADED (L/HR) N/A

CRUISING RANGE (KM)-

-SNOW-LOADED ----- 620

-WATER-LOADED ----- N/A

MAX SPEED (KM/HR)-

-ON SNOW ----- 72

-IN WATER ----- N/A

TRENCH CROSSING ABILITY 1800

VERT OBSTACLE ABILITY - VERTICLE OBSTACLE ABILITY

ENGINE:

MODEL ----- *1

TYPE ----- V-8

MAX HP AT RPM ----- 95 AT 2000

LOCATION ----- REAR

FUEL ----- GASOLINE ?

COOLING SYS-TYPE ---- LIQUID

FOM NR ----- N/A

GENERAL DATA:

FUEL CAP (LITERS)-

-MAIN TANK ----- 146

-AUX TANK ----- N/A

BRAKES-PRIMARY TYPE -- ?

SUSPENSION SYSTEM-

TYPE ----- *2

ROAD WHEELS (NR) ---- 4 INDEPENDENTLY SUSPENDED

-DIAMETER (MM) ----- ?

SUPPORT ROLLERS (NR) - NONE

TRACK TYPE ----- *3

TIRES ----- PNEUMATIC

-SIZE ----- 4.50 X 16

-NUMBER ----- 8

TRANSMISSION-TYPE ---- MECHANICAL

NR SPEEDS-

-FWD ----- 3

-RVRS ----- 1

ELECTRICAL SYSTEM ---- 6V

REMARKS:

1/ FORD (CANADIAN MILITARY PATTERN)

3/ RUBBER BELT W/STEEL CROSS LINKS

2/ THE FRONT SUSPENSION CONSISTS OF TWO SKIES, 11.75 X 45 INCHES (GROUND CONTACT), PIVOTED IN ROCKER ARMS WHICH ARE SUPPORTED BY COMPRESSION SPRINGS SUSPENDED FROM A TUBULAR CROSS-MEMBER RUNNING BEHIND THE DASHBOARD OF THE VEHICLE. THE SKIS ARE COMPOSITE WOOD AND STEEL. THE REAR SUSPENSION CONSISTS OF BOGIE WHEELS MOUNTED ON OPPOSED OSCILLATING CRANK ARMS WITH INTERCONNECTED COMPRESSION SPRINGS. THE BOGIE SUSPENSION CONSISTS OF FOUR ON EACH SIDES. IT HAS DOUBLE DISC-TYPE, DROP-CENTER WHEELS WITH 4.50 X 16, 4 PLY TIRES AT 30-POUND PRESSURE.

DATE CATALOGED: 01MAR66

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-3-B

NOMEN: SNOW VEHICLE, CARRIER, HALF-TRACKED W/SKIS, R18 BOMBARDIER

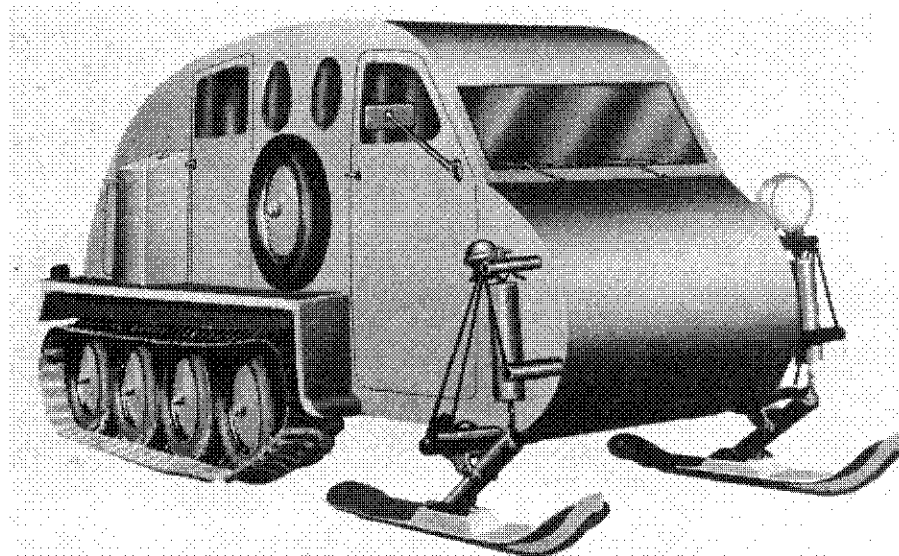
PRODUCED/ADOPTED: 1942-43/

CATALOG: TB-381-5-22

(OLD 38-2353-1-3)

COUNTRY: CANADA

DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR66
VOLUME 22, PAGE 1097

U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-3-B

NOMEN: SNOW VEHICLE, CARRIER, HALF-TRACKED W/SKIS, R18 BOMBARDIER

PRODUCED/ADOPTED: 1942-43/

CATALOG: TB-381-5-22
(OLD 38-2353-1-3)
COUNTRY: CANADA
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-4-A

CATALOG: TB-381-5-22

NOMEN: SNOW, VEHICLE, CARRIER, TRACKED MK 3 PENGUIN

(OLD 38-2353-1-4)

NATIVE DES: SNOWMOBILE, CANADIAN MK3 PENGUIN
PRODUCED/ADOPTED: ?/

COUNTRY: CANADA
DATE UPDATED: 30AUG73

(U)THE CANADIAN MK 3 PENGUIN IS DESIGNED TO TRANSPORT PERSONNEL AND CARGO OVER THE CANADIAN NORTHLAND IN ALL SEASONS. THE VEHICLE HAS A COMPLETELY ENCLOSED AND HEATED CABIN.

(U)THE MK 3 IS PRODUCED BY CANADIAN ARSENALS, LTD. THE ENGINE IS MADE BY CADILLAC, THE TRANSMISSION BY GENERAL MOTORS, THE DRIVING AXLE BY FORD, AND THE ELECTRICAL SYSTEM BY DELCO REMY.

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-4-A

NOMEN: SNOW; VEHICLE; CARRIER; TRACKED MK 3 PENGUIN

CATALOG: TB-381-5-22
 (OLD 38-2353-1-4)
 COUNTRY: CANADA
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ?

PHYSICAL DATA:

WEIGHT (KG):-

-CURB ----- 4350
 -PAYLOAD ----- 540
 -GROSS ----- 4900
 PERSONNEL LOAD --- ?
 MAX TOWED LOAD --- ?

ENGINE:

MODEL ----- CADILLAC
 TYPE ----- V-8 L-HEAD
 MAX HP AT RPM ----- 110 AT 3400
 LOCATION ----- FRONT
 FUEL ----- GASOLINE
 COOLING SYS-TYPE ----- LIQUID
 FOM NR ----- N/A

VEHICLE DIMENSIONS:

LENGTH (MM):-

-O/ALL ----- 4110
 -OF CYLINDERS -- N/A
 -GROUND CONTACT 2230

WIDTH (MM):-

-O/ALL ----- 2560
 -C TO C OF CYL -- N/A
 -C TO C OF TRK -- 1650
 -TRACK ----- 880

HGT O/ALL (MM) --- 2380

CARGO SPACE (MM):-

-LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES -- ?

DIA OF CYL (MM) --- N/A

GND CLEARANCE (MM) 305

GND PRESS (KG/CM2) 0.12

PINTLE HGT (MM) --- ?

GENERAL DATA:

FUEL CAP (LITERS):-

-MAIN TANK ----- 155
 -AUX TANK ----- 155

BRAKES-PRIMARY TYPE -- ?

SUSPENSION SYSTEM:-

TYPE ----- CROSS TUBE AND BOGIE

ROAD WHEELS (NR) ----- 4 DUAL EACH SIDE

-DIAMETER (MM) ----- ?

SUPPORT ROLLERS (NR) -- NONE

TRACK TYPE ----- #1

TIRES ----- (ROAD WHEELS)

-SIZE ----- 4.50 X 16

-NUMBER ----- 16

TRANSMISSION-TYPE ----- GM MODEL 1MH

- 29662

NR SPEEDS:-

-FWD ----- 3

-RVRS ----- 1

ELECTRICAL SYSTEM ----- 12V

PERFORMANCE:

MAX GRADIENT (PCT):-

-EMPTY ----- ?
 -LOADED ----- 60%

TURNING RADIUS (MM) --- 5100

FORDING DEPTH (MM) ----- 1270

FUEL CONS

-SNOW-LOADED (L/100KM) 82

-WATER-LOADED (L/HR) N/A

CRUISING RANGE (KM):-

-SNOW-LOADED ----- ROAD:320

-WATER-LOADED ----- N/A

MAX SPEED (KM/HR):-

-ON SNOW ----- 40 (ROAD)

-IN WATER ----- N/A

TRENCH CROSSING ABILITY 1270

VERT OBSTACLE ABILITY -- 670

REMARKS:

1/ RUBBER BELTS W/STEEL CROSS LINKS

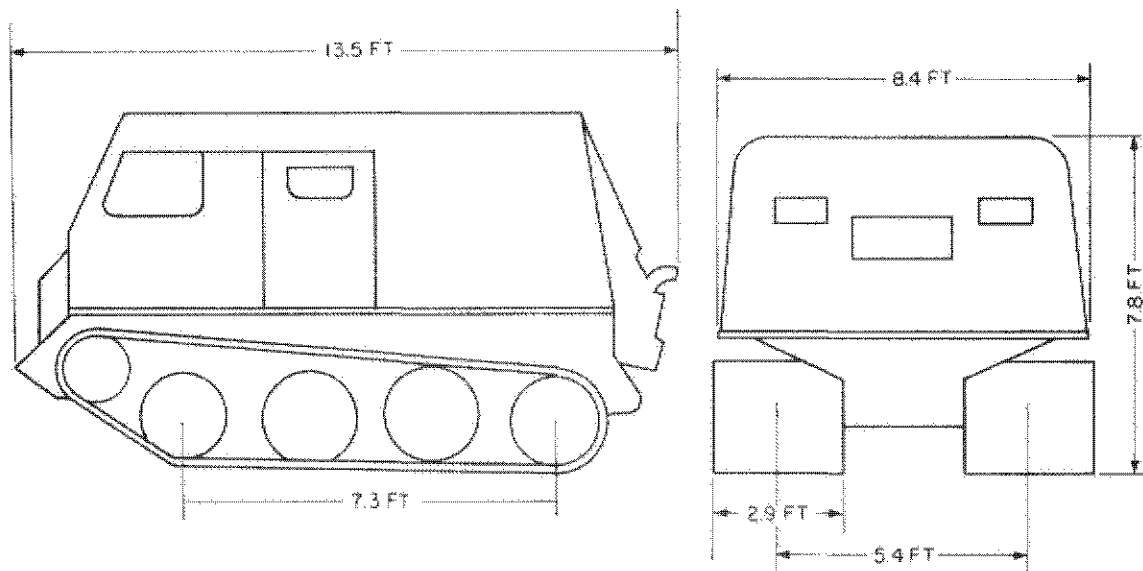
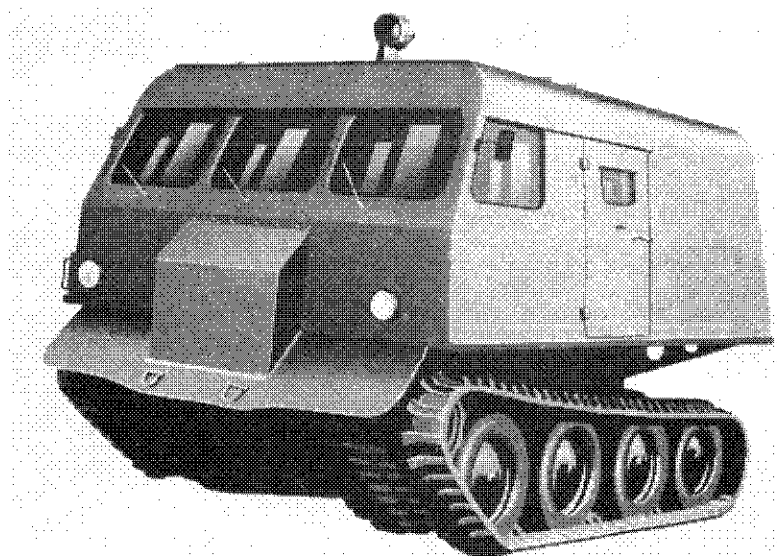
DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-4-8
NOMEN: SNOW, VEHICLE, CARRIER, TRACKED MK 3 PENGUIN
PRODUCED/ADOPTED: 2/

CATALOG: TB-381-5-22
(OLD 38-2353-1-4)
COUNTRY: CANADA
DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR66
VOLUME 22, PAGE 1101

U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2353-38-1-4-8

NOVEN: SNOW, VEHICLE, CARRIER, TRACKED MK 3 PENGUIN

PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22

OLD 38-2353-1-41

COUNTRY: CANADA

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01MAR66
VOLUME 22+ PAGE 1102

U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2353-38-1-6-A

CATALOG: TB-381-5-22

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, AMPHIBIOUS ARTICULATED, CIBI

{OLD 38-2353-1-6}

NATIVE DES: CARRIER, CARGO, AMPHIBIOUS, ARTICULATED, CIBI RAT
PRODUCED/ADOPTED: 1957 TO ??

COUNTRY: CANADA

DATE UPDATED: 30AUG73

{U}THE CIBI, ALSO CALLED RAT, WAS DESIGNED FOR TRANSPORTING PERSONNEL AND CARGO AND FOR TOWING INFANTRY SLEDS OVER SNOW-COVERED TERRAIN. THIS VEHICLE WAS DEVELOPED AND PRODUCED BY CANADATEL, LTD., MONTREAL.

{U}THE VEHICLE CONSISTS OF TWO ARTICULATED UNITS CONNECTED BY A BALL-JOINT. STEERING IS ACCOMPLISHED BY CHANGING THE ALINEMENT OF THE UNITS THROUGH CABLES LINKED TO THE STEERING WHEEL.

{U}THE RAT HAS A BELLYLESS CONFIGURATION AND IS AMPHIBIOUS AND AIRDROPPABLE. WHEN TRAVELING IN WATER, PROPULSION IS PROVIDED BY THE TRACKS.

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-6-A

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, AMPHIBIOUS ARTICULATED, CIBI

CATALOG: TB-381-5-22
 (OLD 38-2353-1-6)
 COUNTRY: CANADA
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1957 TO ??

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 762
 -PAYLOAD ----- 272
 -GROSS ----- 1034
 PERSONNEL LOAD --- 4
 MAX TOWED LOAD --- 550

VEHICLE DIMENSIONS:

LENGTH (MM)-
 -O/ALL ----- 4000
 -OF CYLINDERS -- N/A
 -GROUND CONTACT 1010
 WIDTH (MM)-
 -O/ALL ----- 1280
 -C TO C OF CYL - N/A
 -C TO C OF TRK - 600
 -TRACK ----- 520
 HGT O/ALL (MM) --- 1620
 CARGO SPACE (MM)-
 -LENGTH ----- 1930
 -WIDTH ----- 1232
 -HGT OF SIDES -- ?
 DIA OF CYL (MM) -- N/A
 GND CLEARANCE (MM) ?
 GND PRESS (KG/CM2) .07 UNLOADED
 PINTLE HGT (MM) -- ?

PERFORMANCE:

MAX GRADIENT (PCT)-
 -EMPTY ----- ?
 -LOADED ----- 60
 TURNING RADIUS (MM) --- 913
 FORDING DEPTH (MM) --- AMPHIBIOUS
 FUEL CONS
 -SNOW-LOADED (L/100KM)?
 -WATER-LOADED (L/HR) ?
 CRUISING RANGE (KM)-
 -SNOW-LOADED ----- ?
 -WATER-LOADED ----- ?
 MAX SPEED (KM/HR)-
 -ON SNOW ----- 32
 -IN WATER ----- ?
 TRENCH CROSSING ABILITY 1070
 VERT OBSTACLE ABILITY - 153

REMARKS:

ENGINE:

MODEL ----- VOLKSWAGEN
 TYPE ----- 4 CYL, OHV
 MAX HP AT RPM ----- 35 AT 3400
 LOCATION ----- REAR
 FUEL ----- GASOLINE
 COOLING SYS-TYPE ----- AIR
 FOM NR ----- N/A

GENERAL DATA:

FUEL CAP (LITERS)-
 -MAIN TANK ----- 83
 -AUX TANK ----- N/A
 BRAKES-PRIMARY TYPE -- ?
 SUSPENSION SYSTEM-
 TYPE ----- UNSPRUNG
 ROAD WHEELS (NR) ----- 3 SINGLE 1 DUAL EA SIDE
 -DIAMETER (MM) ----- ?
 SUPPORT ROLLERS (NR) - NONE
 TRACK TYPE ----- RUBBER BELT W/ST GROUERS
 TIRES ----- YES
 -SIZE ----- 3.00 X 5
 -NUMBER ----- 3 SINGLE 1 DUAL EA SIDE
 TRANSMISSION-TYPE --- MANUAL
 NR SPEEDS-
 -FWD ----- 4
 -RVRS ----- 1
 ELECTRICAL SYSTEM --- 6

DATE CATALOGED: 01MAR66
 VOLUME 22x PAGE 1104

U N C L A S S I F I E D

U N C L A S S I F I E D

FOU-2353-38-1-6-8

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, AMPHIBIOUS ARTICULATED, CIBI

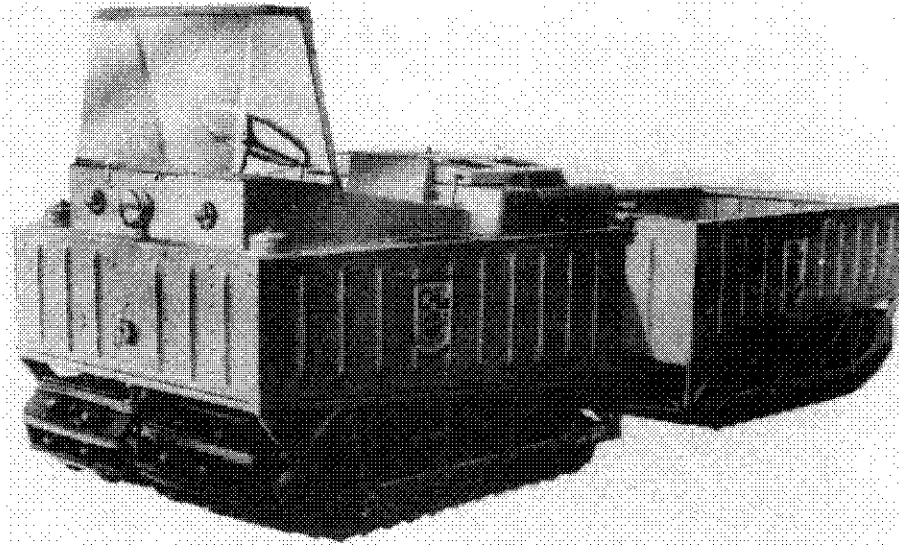
PRODUCED/ADOPTED: 1957 TO ??

CATALOG: T8-381-5-22

(OLD 38-2353-1-6)

COUNTRY: CANADA

DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-6-B

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, AMPHIBIOUS ARTICULATED, CIBI

PRODUCED/ADOPTED: 1957 TO ??

CATALOG: TB-381-5-22

(OLD 38-2353-1-6)

COUNTRY: CANADA

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2353-38-1-7-A

CATALOG: TS-381-5-22

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, RN21

(OLD 38-2353-1-7)

NATIVE DES: CARRIER, CARGO, FULL-TRACKED, ROBIN-NODWELL RN21
PRODUCED/ADOPTED: 1961/

COUNTRY: CANADA
DATE UPDATED: 30AUG73

(U)THE ROBIN-NODWELL RN 21 IS A LIGHT, RECONNAISSANCE SNOW VEHICLE USED TO TRANSPORT PERSONNEL AND LIGHT CARGO OVER SNOW AND CROSS-COUNTRY. IT IS MANUFACTURED BY ROBIN-NODWELL MFG., LTD., CALGARY, ALBERTA.

(U)IT IS THE SMALLEST OF A FAMILY OF FULL-TRACKED VEHICLES AND IS MANUFACTURED WITH OR WITHOUT A PERSONNEL BODY. WITHOUT THE PERSONNEL BODY, IT HAS AN ENCLOSED CAB AND A FLAT CARGO DECK. THE RN 21 CAN TOW A LOAD OF 3178 KILOGRAMS IN ADDITION TO ITS PAYLOAD.

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-7-A
 NOMEN: SNOW VEHICLE, CARRIER, TRACKED, RN21

CATALOG: TB-381-5-22
 (OLD 38-2353-1-7)
 COUNTRY: CANADA
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1961/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 3130
 -PAYLOAD ----- 950
 -GROSS ----- 4080
 PERSONNEL LOAD --- ?
 MAX TOWED LOAD --- 3170

VEHICLE DIMENSIONS:

LENGTH (MM)-
 -O/ALL ----- 4330
 -OF CYLINDERS --- N/A
 -GROUND CONTACT ?
 WIDTH (MM)-
 -O/ALL ----- 2290
 -C TO C OF CYL --- N/A
 -C TO C OF TRK --- 1580
 -TRACK ----- 700
 HGT O/ALL (MM) --- 2500
 CARGO SPACE (MM)-
 -LENGTH ----- ?
 -WIDTH ----- ?
 -HGT OF SIDES --- ?
 DIA OF CYL (MM) --- N/A
 GND CLEARANCE (MM) 360
 GND PRESS (KG/CM2) 0.1
 PINTLE HGT (MM) --- ?

PERFORMANCE:

MAX GRADIENT (PCT)-
 -EMPTY ----- ?
 -LOADED ----- 60
 TURNING RADIUS (MM) --- ?
 FORDING DEPTH (MM) --- ?
 FUEL CONS
 -SNOW-LOADED (L/100KM) 68
 -WATER-LOADED (L/HR) N/A
 CRUISING RANGE (KM)-
 -SNOW-LOADED ----- 234
 -WATER-LOADED ----- N/A
 MAX SPEED (KM/HR)-
 -ON SNOW ----- 23
 -IN WATER ----- N/A
 TRENCH CROSSING ABILITY ?
 VERT OBSTACLE ABILITY - ?

ENGINE:

MODEL ----- F, FORD
 TYPE ----- 6-CYL
 MAX HP AT RPM ----- 134 @ 4200
 LOCATION ----- FRONT
 FUEL ----- GASOLINE
 COOLING SYS-TYPE ----- LIQUID
 FOM NR ----- N/A

GENERAL DATA:

FUEL CAP (LITERS)-
 -MAIN TANK ----- 159
 -AUX TANK ----- N/A
 BRAKES-PRIMARY TYPE --- BAND
 SUSPENSION SYSTEM-
 TYPE ----- *1
 ROAD WHEELS (NR) ----- 3 EACH SIDE
 -DIAMETER (MM) ----- ?
 SUPPORT ROLLERS (NR) --- NONE
 TRACK TYPE ----- *2
 TIRES ----- ?
 -SIZE ----- ?
 -NUMBER ----- ?
 TRANSMISSION-TYPE --- STD., FORD MODEL T98A
 NR SPEEDS-
 -FWD ----- 4
 -RVRS ----- 1
 ELECTRICAL SYSTEM --- 12V

REMARKS:

1/ FLAT TRACK, CRANK ARM W/TORSION COIL-
 SPRING

2/ RUBBER, COTTON, NYLON BELT W/SPRING-
 STEEL GROUSERS

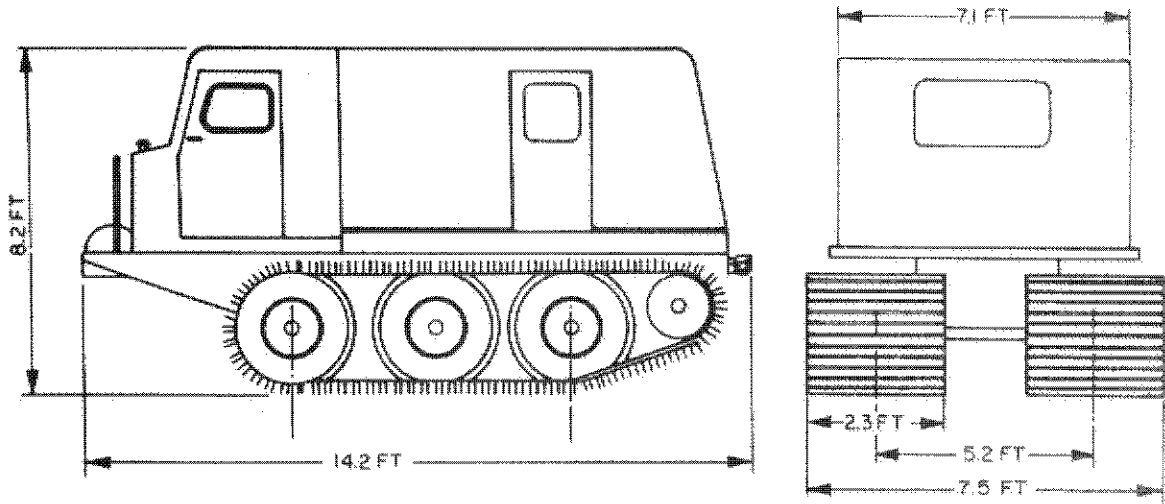
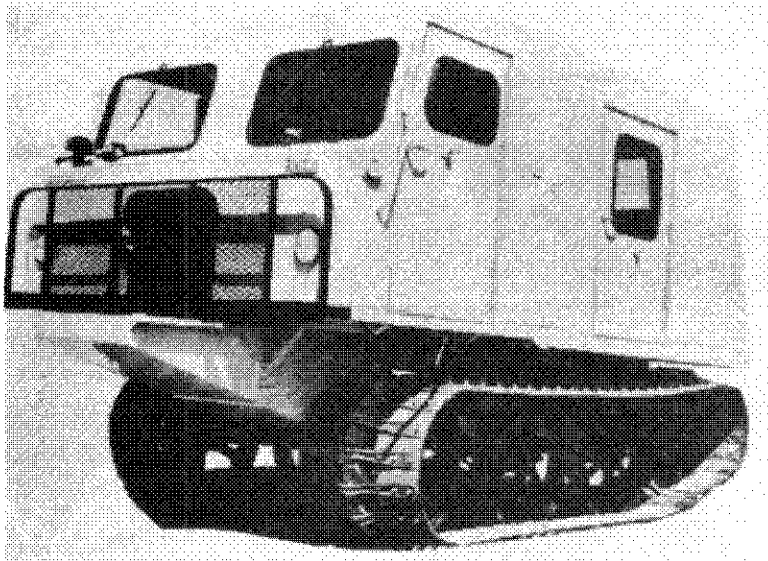
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-7-B
NOMEN: SNOW VEHICLE, CARRIER, TRACKED, RN21
PRODUCED/ADOPTED: 1961/

CATALOG: T8-381-5-22
(OLD 38-2353-1-7)
COUNTRY: CANADA
DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOU-2353-38-1-7-8

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, RN21

PRODUCED/ADOPTED: 1961/

CATALOG: T8-381-5-22

(OLD 38-2353-1-7)

COUNTRY: CANADA

DATE UPDATED: 30AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-8-A

CATALOG: TB-381-5-22

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, RN110

(OLD 38-2353-1-8)

NATIVE DES: CARRIER, CARGO, FULL TRACKED, ROBIN-NODWELL RN 110
PRODUCED/ADOPTED: 1961 TO ??

COUNTRY: CANADA
DATE UPDATED: 30AUG73

(U)THE RN 110 IS A HEAVY-DUTY VEHICLE USED FOR TRANSPORTING CARGO OVER SNOW AND CROSS-COUNTRY. IT IS EQUIPPED WITH AN ENCLOSED CAB AND A STAKE BODY WITH A CARGO AREA OF 8 SQUARE METERS. IN ADDITION TO ITS PAYLOAD, THE RN 110 CAN TOW A LOAD OF 7264 KILOGRAMS.

(U)THIS VEHICLE IS A MEMBER OF A FAMILY OF FULL-TRACKED VEHICLES MANUFACTURED BY ROBIN-NODWELL MFG., LTD., CALGARY, ALBERTA. THIS COMPANY PRODUCES SEVERAL DIFFERENT MODELS, I.E., A CRANE MODEL, A CABLE-LAYING MODEL, AND AN EARTH AUGER MODEL.

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-J8-1-8-A
NOMEN: SNOW VEHICLE, CARRIER, TRACKED, RN110

CATALOG: T8-381-5-22
IOLD 38-2353-1-8)
COUNTRY: CANADA
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: 1961 TO ?

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 5900
-PAYLOAD ----- 4990
-GROSS ----- 10890
PERSONNEL LOAD --- 2
MAX TOWED LOAD --- 7260

VEHICLE DIMENSIONS:

LENGTH (MM)-
-O/ALL ----- 5970
-OF CYLINDERS -- N/A
-GROUND CONTACT ?
WIDTH (MM)-
-O/ALL ----- 2770
-C TO C OF CYL - N/A
-C TO C OF TRK - 1770
-TRACK ----- 1010
HGT O/ALL (MM) --- 2710
CARGO SPACE (MM)-
-LENGTH ----- 3700
-WIDTH ----- 2150
-HGT OF SIDES -- ?
DIA OF CYL (MM) -- N/A
GND CLEARANCE (MM) 410
GND PRESS (KG/CM2) 0.08 UNLOADED
PINTLE HGT (MM) -- ?

PERFORMANCE:

MAX GRADIENT (PCT)-
-EMPTY ----- ?
-LOADED ----- 60%
TURNING RADIUS (MM) --- ?
FORDING DEPTH (MM) --- ?
FUEL CONS
-SNOW-LOADED (L/100KM) 51
-WATER-LOADED (L/HR) N/A
CRUISING RANGE (KM)-
-SNOW-LOADED ----- 310
-WATER-LOADED ----- N/A
MAX SPEED (KM/HR)-
-ON SNOW ----- 27
-IN WATER ----- N/A
TRENCH CROSSING ABILITY ?
VERT OBSTACLE ABILITY - ?

REMARKS:

1/ FLAT TRACK CRANK ARM W/TORSION COIL
SPRING
2/ RUBBER-COTTON-NYLON BELT W/SPRING
STEEL GROUSERS

ENGINE:

MODEL ----- EEJ, FORD
TYPE ----- V-8
MAX HP AT RPM ----- 186 AT 4000
LOCATION ----- FRONT
FUEL ----- ?
COOLING SYS-TYPE ----- LIQUID
FOM NR ----- N/A

GENERAL DATA:

FUEL CAP (LITERS)-
-MAIN TANK ----- 199
-AUX TANK ----- ?
BRAKES-PRIMARY TYPE -- DISK
SUSPENSION SYSTEM-
TYPE ----- *1
ROAD WHEELS (NR) ----- 4 EACH SIDE
-DIAMETER (MM) ----- ?
SUPPORT ROLLERS (NR) - NONE
TRACK TYPE ----- *2
TIRES ----- ?
-SIZE ----- ?
-NUMBER ----- ?
TRANSMISSION-TYPE --- STANDARD, FORD, MODEL
- T98A
NR SPEEDS-
-FWD ----- 4
-RVRS ----- 1
ELECTRICAL SYSTEM --- 12V

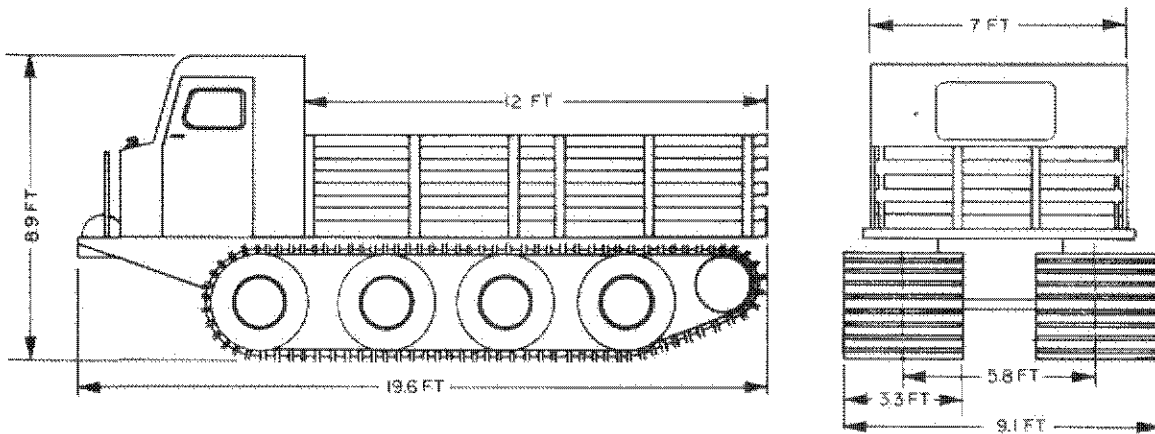
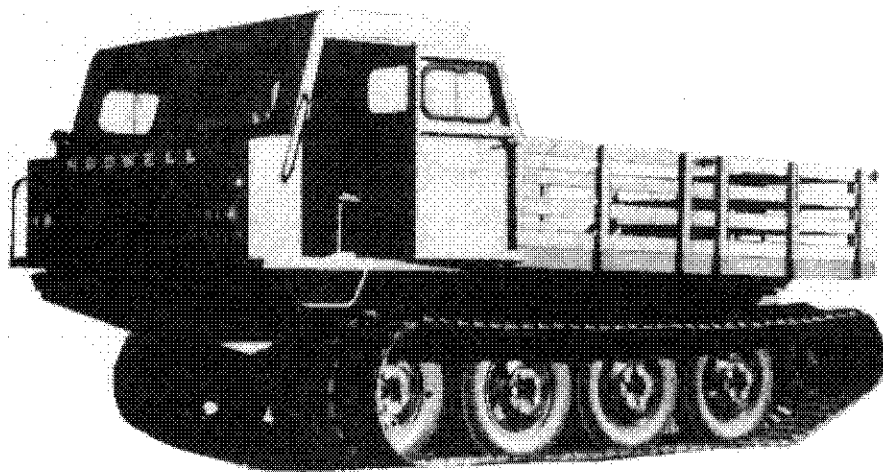
DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-8-B
NOMEN: SNOW VEHICLE, CARRIER, TRACKED, R4110
PRODUCED/ADOPTED: 1961 TO ??

CATALOG: TB-381-5-22
(ULO 38-2353-1-8)
COUNTRY: CANADA
DATE UPDATED: 30AUG73



DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOU-2354-38-1-8-B

NGMEN: SNOW VEHICLE, CARRIER, TRACKED, RN110

PRODUCED/ADOPTED: 1961 TO ??

CATALOG: T8-381-5-22

(OLO 38-2353-1-8)

COUNTRY: CANADA

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-9-A

CATALOG: TB-381-5-22

NOMEN: SNOW VEHICLE, CARRIER, TRACKED RN1108 (CON)

(OLD 38-2353-1-9)

NATIVE DES: CARRIER, PERSONNEL AND CARGO, FULL-TRACKED, ROBIN-NODWELL RN 1108
PRODUCED/ADOPTED: 1960-DATE/

COUNTRY: CANADA
DATE UPDATED: 06SEP73

(U)MANUFACTURED BY ROBIN-NODWELL MFG., LTD., CALGARY, ALBERTA, THE RN 1108 IS A HEAVY-DUTY VEHICLE USED FOR TRANSPORTING CARGO. THERE ARE TWO MODELS OF THE RN 1108, ONE HAS A STAKE BODY AND THE OTHER AN ENCLOSED BODY. THE STAKE MODEL HAS AN OVERSIZED CABIN FOR CARRYING A WORK CREW AND HAS A CARGO AREA OF 7.71 SQUARE METERS. DESIGNED FOR ANTARCTIC OPERATION, THE ENCLOSED MODEL FEATURES A DOUBLE FLOOR WITH HEAT DUCTS.

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-9-A
 NOMEN: SNOW VEHICLE, CARRIER, TRACKED RNI10B (CON)

CATALOG: TB-381-5-22
 (OLD 38-2353-1-9)
 COUNTRY: CANADA
 DATE UPDATED: 06SEP73

PRODUCED/ADOPTED: 1960-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 6124 STAKE, 6577 ENCLOSED
 -PAYLOAD ----- 4990
 -GROSS ----- 11113 STAKE, 11567 ENCLOSED
 PERSONNEL LOAD --- 6 IN STAKE, 2 ENCLOSED
 MAX TOWED LOAD --- ?

VEHICLE DIMENSIONS:

LENGTH (MM)-
 -O/ALL ----- 5880
 -OF CYLINDERS -- N/A
 -GROUND CONTACT ?
 WIDTH (MM)-
 -O/ALL ----- 2770
 -C TO C OF CYL -- N/A
 -C TO C OF TRK -- 1770
 -TRACK ----- 1010
 HGT O/ALL (MM) --- 2680
 CARGO SPACE (MM)-
 -LENGTH ----- 3078 STAKE
 -WIDTH ----- 2530 STAKE
 -HGT OF SIDES -- 444 STAKE
 DIA OF CYL (MM) -- N/A
 GND CLEARANCE (MM) 120
 GND PRESS (KG/CM2) .09
 PINTLE HGT (MM) --

PERFORMANCE:

MAX GRADIENT (PCT)-
 -EMPTY ----- ?
 -LOADED ----- 60%
 TURNING RADIUS (MM) --- ?
 FORDING DEPTH (MM) ---- ?
 FUEL CONS
 -SNOW-LOADED (L/100KM)?
 -WATER-LOADED (L/HR) N/A
 CRUISING RANGE (KM)-
 -SNOW-LOADED ----- 97
 -WATER-LOADED ----- N/A
 MAX SPEED (KM/HR)-
 -ON SNOW ----- 23
 -IN WATER ----- N/A
 TRENCH CROSSING ABILITY ?
 VERT OBSTACLE ABILITY - ?

ENGINE:

MODEL ----- CC2TE-68007, FORD
 TYPE ----- V-8 OHV
 MAX HP AT RPM ----- 167 AT 3600
 LOCATION ----- FRONT
 FUEL ----- GASOLINE
 COOLING SYS-TYPE ----- LIQUID
 FOM NR ----- N/A

GENERAL DATA:

FUEL CAP (LITERS)-
 -MAIN TANK ----- 182
 -AUX TANK ----- N/A
 BRAKES-PRIMARY TYPE -- DISK
 SUSPENSION SYSTEM-
 TYPE ----- *1
 ROAD WHEELS (NR) ----- 4 EACH SIDE
 -DIAMETER (MM) ----- ?
 SUPPORT ROLLERS (NR) -- NONE
 TRACK TYPE ----- *2
 TIRES ----- PNEUMATIC
 -SIZE ----- 7.50 X 20 - 12 PLY
 -NUMBER ----- 8
 TRANSMISSION-TYPE ---- WARNER
 NR SPEEDS-
 -FWD ----- 4
 -RVRS ----- 1
 ELECTRICAL SYSTEM ---- 12

REMARKS:

1/ FLAT TRACK, CRANE ARM W/TORSION COIL SPRING
 2/ RUBBER-COTTON-NYLON BELT
 W/SPRING STEEL GROUSERS

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-9-8

NOMEN: SNOW VEHICLE, CARRIER, TRACKED RN1100 (CDN)

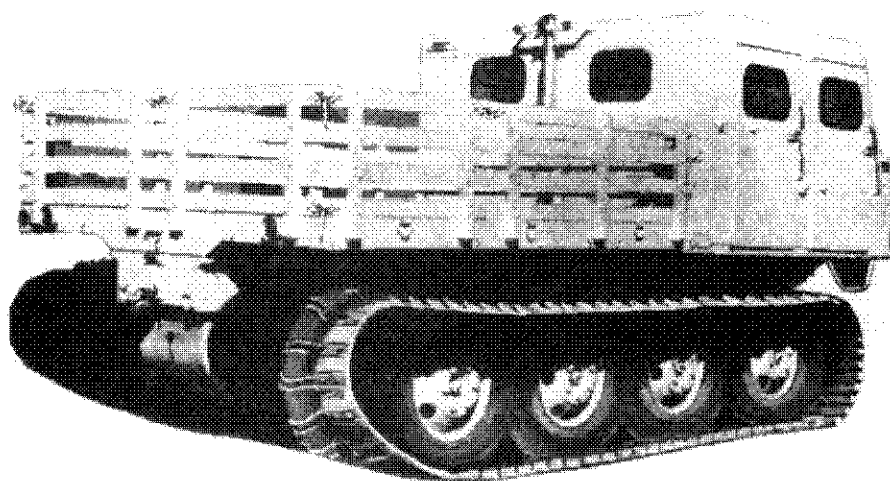
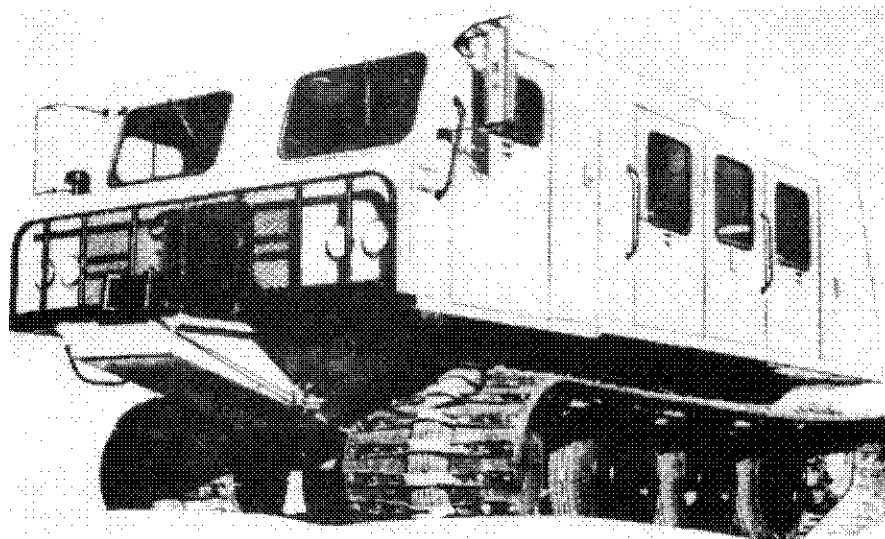
PRODUCED/ADOPTED: 1960-DATE/

CATALOG: TB-381-5-22

(OLD 38-2353-1-9)

COUNTRY: CANADA

DATE UPDATED: 06SEP73



DATE CATALOGED: 31MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2353-38-1-9-8

NAME: SNOW VEHICLE, CARRIER, TRACKED BN110B (CDN)

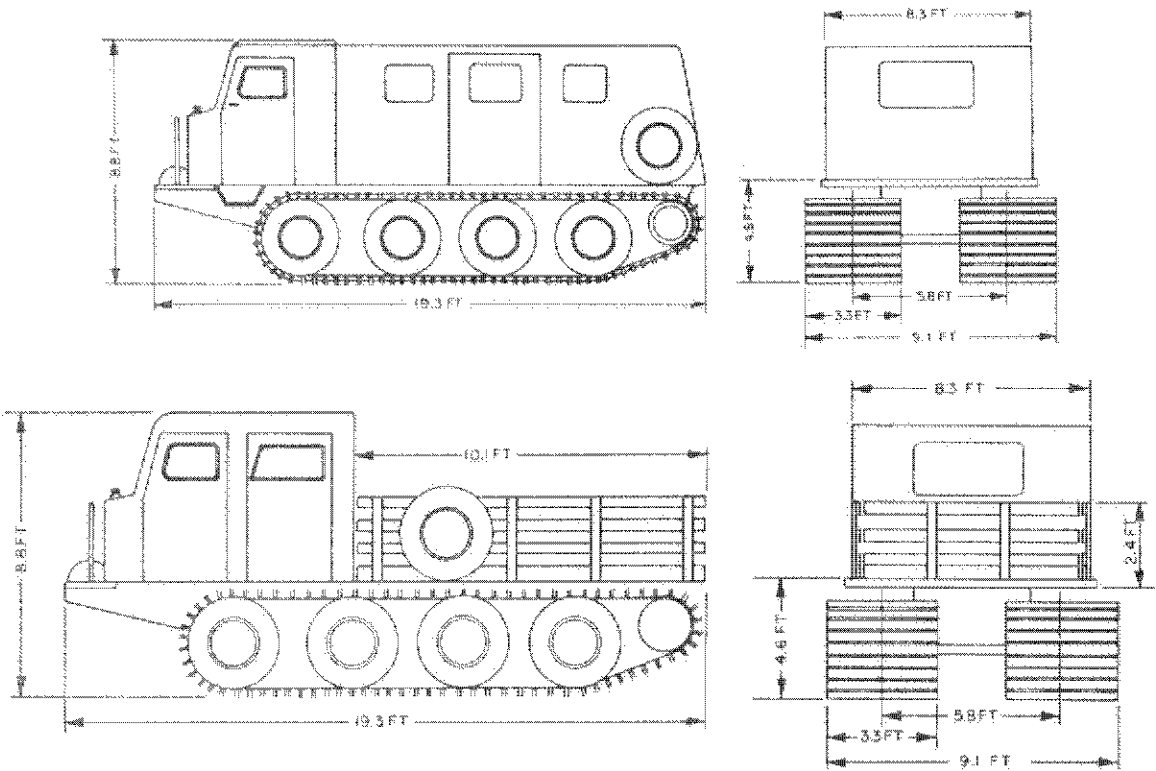
PRODUCED/ADOPTED: 1960-DATE/

CATALOG: T8-381-5-22

ICLD 38-2353-1-9)

COUNTRY: CANADA

DATE UPDATED: 06SEP73



DATE CATALOGED: 21MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2353-38-1-9-4

NOMEN: SNOW VEHICLE, CARRIER, TRACKED RN1108 (CON)

PRODUCED/ADOPTED: 1960-DATE/

CATALOG: 78-381-5-22

(OLD 38-2353-1-9)

COUNTRY: CANADA

DATE UPDATED: 06SEP73

RESERVED FOR FUTURE USE

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-9-C

NOMEN: SNOW VEHICLE, CARRIER, TRACKED RNL109 (CON)

PRODUCED/ADOPTED: 1960-DATE/

CATALOG: TB-381-5-22

(OLD 38-2353-1-9)

COUNTRY: CANADA

DATE UPDATED: 06SEP73

RESERVED FOR FUTURE USE

DATE CATALOGED: 01MAR66
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2353-38-1-10-A

CATALOG: TB-381-5-22

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, "SURE GO" (FOREMOST)

(OLO 38-2353-1-10)

NATIVE DES: "SURE GO 12 CWT TRACKED CARRIER
PRODUCED/ADOPTED: ??

COUNTRY: CANADA
DATE UPDATED: 30AUG73

(U)THE FOREMOST "SURE GO" TRACKED CARRIER IS A LOW-GROUND-PRESSURE VEHICLE WITH A PAYLOAD CAPACITY OF 530 KILOGRAMS OVER MUSKEG, BUGS, MUD, SNOW, OR SAND. IT HAS A CARGO AREA OF 1500 MM BY 1500 MM. ITS 610 MM RUBBER AND STEEL TRACKS PROVIDE A GROUND PRESSURE OF ONLY 0.06 KG/CM SQ (OPTIONAL 0.048 KG/CM SQ WITH 710 MM TRACKS), WHEN FULLY LOADED, TO ALLOW OPERATION IN TERRAIN IMPASSABLE TO OTHER TYPES OF VEHICLES. STEERING IS ACCOMPLISHED BY A COMBINATION OF CLUTCH AND BRAKE.

(U)THE "SURE GO" IS TRANSPORTABLE BY HELICOPTER.

DATE CATALOGED: 01JAN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-10-A

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, "SURE GO" (FOREMOST)

CATALOG: TB-381-5-22
 (OLD 38-2353-1-10)
 COUNTRY: CANADA
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ??

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 1330
 -PAYLOAD ----- 540
 -GROSS ----- 1880
 PERSONNEL LOAD --- ?
 MAX TOWED LOAD --- ?

ENGINE:

MODEL ----- FORD V-4
 TYPE ----- 1490 CC
 MAX HP AT RPM ----- ?
 LOCATION ----- FRONT
 FUEL ----- GASOLINE
 COOLING SYS-TYPE ----- LIQUID
 FOM NR ----- N/A

VEHICLE DIMENSIONS:

LENGTH (MM)-
 -O/ALL ----- 3000
 -OF CYLINDERS -- N/A
 -GROUND CONTACT ?
 WIDTH (MM)-
 -O/ALL ----- 2060
 -C TO C OF CYL - N/A
 -C TO C OF TRK - 1450
 -TRACK ----- 610
 HGT O/ALL (MM) --- 1370
 CARGO SPACE (MM)-
 -LENGTH ----- 1500
 -WIDTH ----- 1500
 -HGT OF SIDES -- ?
 DIA OF CYL (MM) -- N/A
 GND CLEARANCE (MM) 360
 GND PRESS (KG/CM2) 0.06
 PINTLE HGT (MM) -- ?

GENERAL DATA:

FUEL CAP (LITERS)-
 -MAIN TANK ----- 57
 -AUX TANK ----- 10
 BRAKES-PRIMARY TYPE -- PARKING ONLY
 SUSPENSION SYSTEM-
 TYPE ----- *1
 ROAD WHEELS (NR) ----- 4 EACH SIDE
 -DIAMETER (MM) ----- 4.50 X 12
 SUPPORT ROLLERS (NR) - N/A
 TRACK TYPE ----- RUBBER AND STEEL
 TIRES ----- ROAD WHEELS
 -SIZE ----- 4.50 X 12
 -NUMBER ----- 8
 TRANSMISSION-TYPE ----- MANUAL
 - (SYNCHROMESH)
 NR SPEEDS-
 -FWD ----- 4
 -RVRS ----- 1
 ELECTRICAL SYSTEM ----- 24V (2X12V BATT)

PERFORMANCE:

MAX GRADIENT (PCT)-
 -EMPTY ----- 60%
 -LOADED ----- 60%
 TURNING RADIUS (MM) --- PIVOT TURN
 FORDING DEPTH (MM) --- 760
 FUEL CONS
 -SNOW-LOADED (L/100KM)?
 -WATER-LOADED (L/HR) N/A
 CRUISING RANGE (KM)-
 -SNOW-LOADED ----- ?
 -WATER-LOADED ----- N/A
 MAX SPEED (KM/HR)-
 -ON SNOW ----- 26
 -IN WATER ----- N/A
 TRENCH CROSSING ABILITY ?
 VERT OBSTACLE ABILITY - ?

REMARKS:

1/ CRANK-ARM W/TORSION COIL SPRING

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-10-B

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, "SURE GO" (FOREMOST)

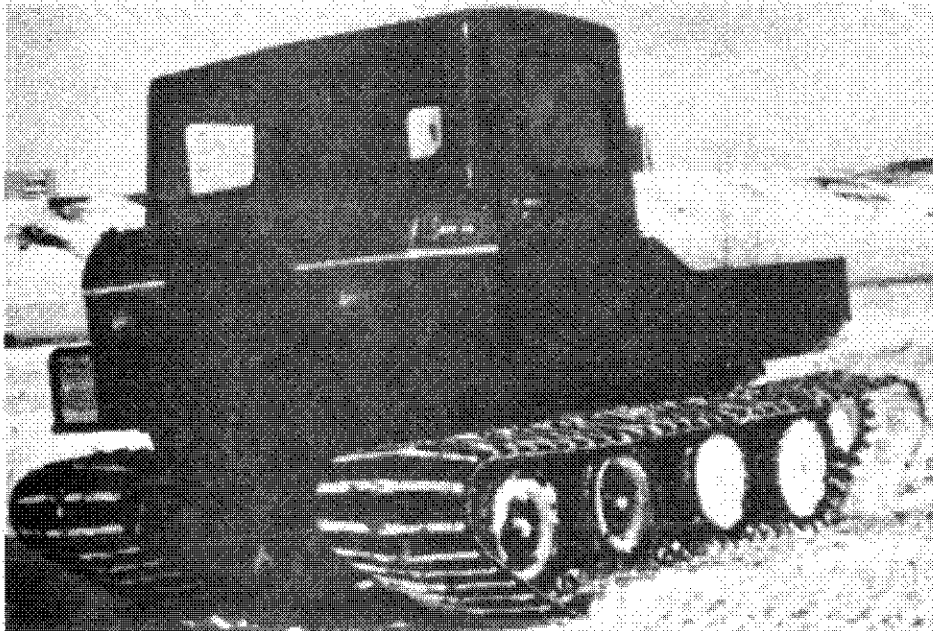
PRODUCED/ADOPTED: ??

CATALOG: TB-381-5-22

(OLD 38-2353-1-10)

COUNTRY: CANADA

DATE UPDATED: 30AUG73



DATE CATALOGED: 01JAN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2353-38-1-10-8

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, "SURE GO" (FOREMOST)

PRODUCED/ADOPTED: 7/

CATALOG: T8-381-5-22

(OLD 38-2353-1-10)

COUNTRY: CANADA

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01JAN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-11-A

CATALOG: TB-381-5-22

NGMEN: SNOW VEHICLE, CARRIER, TRACKED, RN 200 (NODWELL)

(OLD 38-2353-1-11)

NATIVE DES: FMC-NODWELL, LOW GROUND-PRESSURE TRACKED CARRIER
PRODUCED/ADOPTED: 2/COUNTRY: CANADA
DATE UPDATED: 30AUG73

(U)THE NODWELL RN 200 TRACKED CARRIER IS A LOW-GROUND-PRESSURE VEHICLE CAPABLE OF CARRYING A 10,884-KILOGRAM PAYLOAD OVER MUSKEG, BOGS, MUD, SNOW, OR SAND. ITS 1219-MM RUBBER AND STEEL TRACKS PROVIDE A GROUND PRESSURE OF ONLY .18 KG/CM SQ. WHEN FULLY LOADED, TO ALLOW OPERATION ON TERRAIN IMPASSABLE TO OTHER TYPES OF VEHICLES. THE 8- BY 26-FOOT DECK OF THE RN 200 HAS A HEAVY-DUTY, 9070-KILOGRAM-CAPACITY WINCH AND LIVE-ROLL ON THE REAR WHICH ENABLES RECOVERY OF OTHER VEHICLES AND FACILITATES SELF-LOADING AND -UNLOADING IN THE FIELD.

(U)TWO GENERAL MOTORS 4-53 V-8 DIESEL ENGINES POWER THE FRONT AND REAR TRACK UNITS SEPARATELY. EACH UNIT IS MOUNTED SO THAT IT CAN INDEPENDENTLY ASSUME ANY ANGLE DICTATED BY THE TERRAIN, AND THE FLOATING DECK-TO-CHASSIS MOUNTING AUTOMATICALLY DISTRIBUTES THE WEIGHT OF THE VEHICLE AND LOAD TO THE TRACKS. FINGERTIP POWER STEERING CONTROLS TWO HYDRAULIC CYLINDERS MOUNTED UNDER THE DECK, WHICH ACT ON THE TURNING RING OF THE FRONT UNIT. FULL POWER IS AVAILABLE TO ALL FOUR TRACKS CONTINUALLY.

DATE CATALOGED: 01JAN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-11-A
 NOMEN: SNOW VEHICLE, CARRIER, TRACKED, RN 200 (NOONELL)

CATALOG: TB-381-5-22
 (OLD 38-2353-1-11)
 COUNTRY: CANADA
 DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: ?/

PHYSICAL DATA:

WEIGHT (KG)-
 -CURB ----- 21550
 -PAYLOAD ----- 10890
 -GROSS ----- 32440
 PERSONNEL LOAD --- ?
 MAX TOWED LOAD --- ?

VEHICLE DIMENSIONS:

LENGTH (MM)-
 -O/ALL ----- 12590
 -OF CYLINDERS --- N/A
 -GROUND CONTACT 3398
 WIDTH (MM)-
 -O/ALL ----- 3110
 -C TO C OF CYL --- N/A
 -C TO C OF TRK --- 1890
 -TRACK ----- 1220
 HGT O/ALL (MM) --- 2930
 CARGO SPACE (MM)-
 -LENGTH ----- 7000
 -WIDTH ----- 2444
 -HGT OF SIDES --- N/A
 DIA OF CYL (MM) --- N/A
 GND CLEARANCE (MM) 410
 GND PRESS (KG/CM2) EMPTY 0.12 KG/CM SQ LOADED 0.
 PITILE HGT (MM) --- ?

PERFORMANCE:

MAX GRADIENT (PCT)-
 -EMPTY ----- ?
 -LOADED ----- *1
 TURNING RADIUS (MM) --- 7600
 FORDING DEPTH (MM) --- 1220
 FUEL CONS
 -SNOW-LOADED (L/100KM) 1336
 -WATER-LOADED (L/HR) N/A
 CRUISING RANGE (KM)-
 -SNOW-LOADED ----- 190
 -WATER-LOADED ----- N/A
 MAX SPEED (KM/HR)-
 -ON SNOW ----- 19
 -IN WATER ----- N/A
 TRENCH CROSSING ABILITY ?
 VERT OBSTACLE ABILITY - ?

REMARKS:

1/ LOADED, FORWARD 60%; LOADED-SIDE 30%
 2/ CRANK ARM W/TORSION COIL SPRING

ENGINE:

MODEL ----- GM 4-53 (2)
 TYPE ----- 8 CYL, DIESEL
 MAX HP AT RPM ----- 130 AT 2800 (EA ENGINE)
 LOCATION ----- FRONT AND REAR UNIT
 FUEL ----- DIESEL
 COOLING SYS-TYPE ----- LIQUID
 FOM NR ----- N/A

GENERAL DATA:

FUEL CAP (LITERS)-
 -MAIN TANK ----- 643
 -AUX TANK ----- N/A
 BRAKES-PRIMARY TYPE --- HYDRAULIC
 SUSPENSION SYSTEM-
 TYPE ----- *2
 ROAD WHEELS (NR) ----- 2 UNITS; 8 EACH SIDE
 -DIAMETER (MM) ----- 7.50 X 20
 SUPPORT ROLLERS (NR) --- N/A
 TRACK TYPE ----- RUBBER AND STEEL
 TIRES ----- PNEUMATIC
 -SIZE ----- 7.50 X 20 - 12 PLY
 -NUMBER ----- 16
 TRANSMISSION-TYPE --- ALLISON CT-3340 (2)
 NR SPEEDS-
 -FWD ----- TORQUE-CONVERTER
 -RVRS ----- 4/2
 ELECTRICAL SYSTEM --- 12V

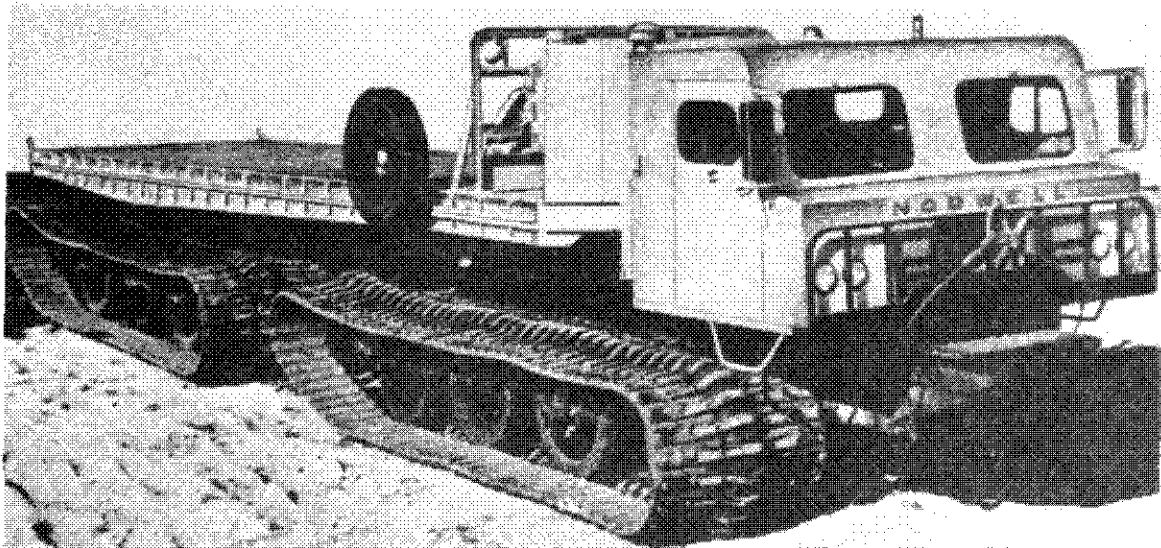
DATE CATALOGED: 01JAN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-11-8
NOMEN: SNOW VEHICLE, CARRIER, TRACKED, RN 200 (NOBWEIL)
PRODUCED/ADOPTED: 2/

CATALOG: TS-381-5-22
IOLD 38-2353-1-11)
COUNTRY: CANADA
DATE UPDATED: 30AUG73



DATE CATALOGED: 01JAN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-11-8

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, RN 200 (NODWELL)

PRODUCED/ADOPTED: 2/

CATALOG: T6-381-5-22

(OLD 38-2353-1-11)

COUNTRY: CANADA

DATE UPDATED: 30AUG73

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DATE CATALOGED: 01JAN72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-12-A

CATALOG: T8-381-5-22

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, S-200 (FOREMOST)

(OLD 38-2353-1-12)

NATIVE DES: SAME AS ABOVE

COUNTRY: CANADA

PRODUCED/ADOPTED: 1968-DATE/

DATE UPDATED: 13SEP73

(U)THIS IS A 2600 KG VEHICLE USED FOR TRANSPORTING CARGO OVER SNOW AND CROSS COUNTRY. IT IS EQUIPPED WITH AN ENCLOSED CAB AND A STAKE BODY WITH A CARGO AREA OF 6.1 SQUARE METERS. IT HAS FOUR TRACK DRIVE AND FOUR-TRACK STEERING WITH A FULL-POWER HYDRAULIC TWO-POINT STEERING SYSTEM, ALLOWING A TURNING RADIUS OF 6.4 METERS WHILE MAINTAINING FULL DRIVING POWER ON ALL FOUR TRACKS. TRACKS ARE EQUIPPED WITH GROUNDERS\$ BARS OF 6.35 X 63.5 MM SPRING STEEL. THE VEHICLE'S SPECIALLY DESIGNED HOOD EMPHASIZES EASE OF SERVICING BY PLACING ALL ENGINE PARTS WITHIN CONVENIENT REACH.

(U)THE S-200 IS A MEMBER OF A FAMILY OF FULL-TRACKED VEHICLES MANUFACTURED BY FOREMOST DEVELOPMENTS, LTD., CALGARY, ALBERTA, CANADA.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-12-A
NOMEN: SNOW VEHICLE, CARRIER, TRACKED, S-200 (FOREMOST)

CATALOG: TB-381-5-22
(OLD 38-2353-1-12)
COUNTRY: CANADA
DATE UPDATED: 13SEP73

PRODUCED/ADOPTED: 1968-DATE/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 6350
-PAYLOAD ----- 2650
-GROSS ----- 9000
PERSONNEL LOAD --- ?
MAX TOWED LOAD --- ?

VEHICLE DIMENSIONS:

LENGTH (MM)-
-O/ALL ----- 6610
-OF CYLINDERS -- N/A
-GROUND CONTACT ?
WIDTH (MM)-
-O/ALL ----- 2380
-C TO C OF CYL -- N/A
-C TO C OF TRK -- 1460
-TRACK ----- 910
HGT O/ALL (MM) --- 2500
CARGO SPACE (MM)-
-LENGTH ----- 1830
-WIDTH ----- 3350
-HGT OF SIDES -- ?
DIA OF CYL (MM) -- N/A
GND CLEARANCE (MM) 360
GND PRESS (KG/CM2) 0.0127
PINTLE HGT (MM) --- ?

PERFORMANCE:

MAX GRADIENT (PCT)-
-EMPTY ----- 60%
-LOADED ----- 60
TURNING RADIUS (MM) --- 6400
FORDING DEPTH (MM) --- 1220
FUEL CONS
-SNOW-LOADED (L/100KM)?
-WATER-LOADED (L/HR) N/A
CRUISING RANGE (KM)-
-SNOW-LOADED ----- ?
-WATER-LOADED ----- N/A
MAX SPEED (KM/HR)-
-ON SNOW ----- 22.5 (ROAD)
-IN WATER ----- N/A
TRENCH CROSSING ABILITY ?
VERT OBSTACLE ABILITY - ?

REMARKS:

ENGINE:

MODEL ----- FORD (CANADIAN) 3450 CU C
TYPE ----- GASOLINE
MAX HP AT RPM ----- ?
LOCATION ----- FRONT
FUEL ----- GASOLINE
COOLING SYS-TYPE ----- LIQUID
FOM NR ----- N/A

GENERAL DATA:

FUEL CAP (LITERS)-
-MAIN TANK ----- 61
-AUX TANK ----- N/A
BRAKES-PRIMARY TYPE -- TRU STOP ON DRIVE
- LINE
SUSPENSION SYSTEM-
TYPE ----- COILED TORSION
ROAD WHEELS (NR) ----- 10
-DIAMETER (MM) ----- ?
SUPPORT ROLLERS (NR) -- NONE
TRACK TYPE ----- RUBBER/4 PLY NYLON
TIRES ----- PNEUMATIC
-SIZE ----- 6.00 X 16 6 PLY
-NUMBER ----- 10
TRANSMISSION-TYPE ----- MANUAL
NR SPEEDS-
-FWD ----- 4
-RVRS ----- 1
ELECTRICAL SYSTEM ----- 24V (2 12V BTRY'S)

DATE CATALOGED: 01NOV72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2353-38-1-12-B

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, 5-200 (FOREMOST)

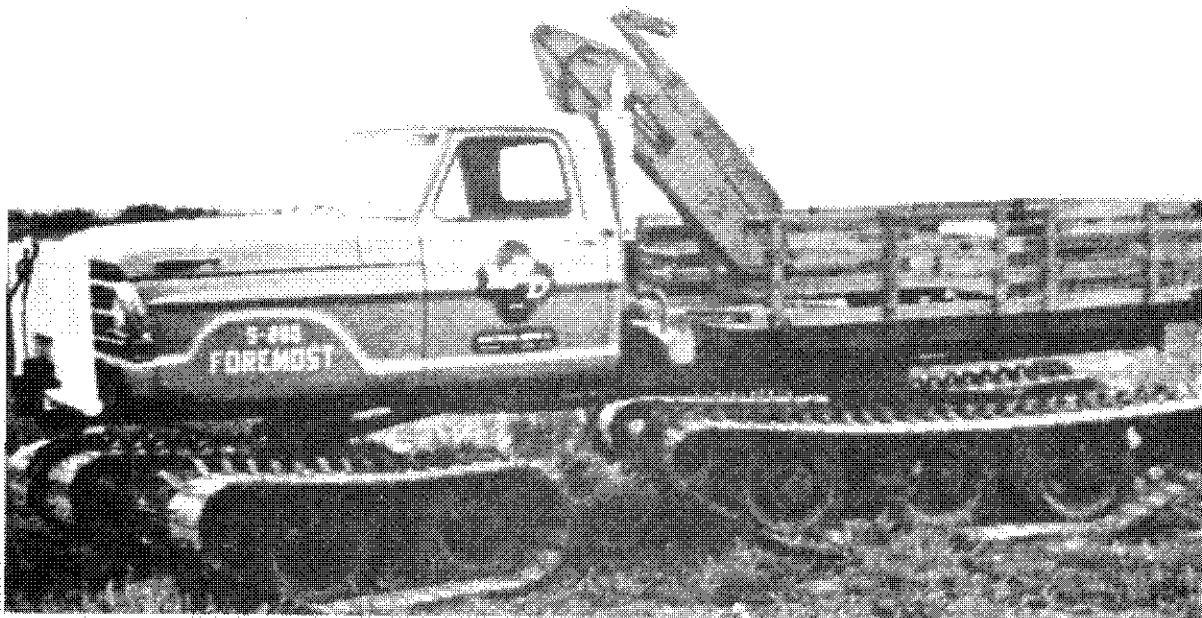
PRODUCED/ADOPTED: 1968-DATE/

CATALOG: TB-381-5-22

(OLD 38-2353-1-12)

COUNTRY: CANADA

DATE UPDATED: 13SEP73



DATE CATALOGED: 01NOV72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2353-38-1-12-B

NOMEN: SNOW VEHICLE, CARRIER, TRACKED, S-200 (FOREMOST)

PRODUCED/ADOPTED: 1968-DATE/

CATALOG: TB-381-5-22

(OLD 38-2353-1-12)

COUNTRY: CANADA

DATE UPDATED: 13SEP73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-13-A

CATALOG: TB-381-5-22

NOMEN: SNOW VEHICLE CARRIER TRACKED S-100 (FOREMOST)

(OLD 38-2353-1-13)

NATIVE DES:

COUNTRY: CANADA

PRODUCED/ADOPTED: 1968-DATE/

DATE UPDATED: 30AUG73

(U)THE S-100 IS A 1800 KG VEHICLE FOR TRANSPORTING CARGO OVER SNOW AND CROSS-COUNTRY. IT IS EQUIPPED WITH AN ENCLOSED CAB AND A STAKE BODY THAT HAS A CARGO AREA OF 4.45 SQUARE METERS. IT HAS 4-TRACK DRIVE AND 4-TRACK STEERING WITH A FULL-POWER HYDRAULIC 2-POINT STEERING SYSTEM. THE LATTER ALLOWS A TURNING RADIUS OF 5.5 METERS WHILE MAINTAINING FULL DRIVING POWER ON ALL FOUR TRACKS. TRACKS ARE EQUIPPED WITH GROUSER BARS OF 1/4X2 1/2-INCH SPRING STEEL. FOREMOST'S SPECIALLY DESIGNED HOOD PLACES ALL ENGINE PARTS WITHIN CONVENIENT REACH, AND ASSURES EASE OF SERVICING. THE S-100 IS A MEMBER OF A FAMILY OF FULL-TRACKED VEHICLES MANUFACTURED BY FOREMOST DEVELOPEMENTS, LTD, CALGARY, ALBERTA, CANADA.

DATE CATALOGED: 01AUG72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FDM-2353-38-1-13-A

NOMEN: SNOW VEHICLE CARRIER TRACKED S-100 (FOREMOST)

PRODUCED/ADOPTED: 1968-DATE/

CATALOG: TB-381-5-22
 (OLD 38-2353-1-13)
 COUNTRY: CANADA
 DATE UPDATED: 30AUG73

PHYSICAL DATA:

WEIGHT (KG)-

-CURB ----- 5720
 -PAYLOAD ----- 1785
 -GROSS ----- 7505
 PERSONNEL LOAD --- ?
 MAX TOWED LOAD --- ?

VEHICLE DIMENSIONS:

LENGTH (MM)-

-O/ALL ----- 5640
 -OF CYLINDERS -- N/A
 -GROUND CONTACT ?

WIDTH (MM)-

-O/ALL ----- 2380
 -C TO C OF CYL - N/A
 -C TO C OF TRK - 1460
 -TRACK ----- 900

HGT O/ALL (MM) --- 2500

CARGO SPACE (MM)-

-LENGTH ----- 1830
 -WIDTH ----- 2440
 -HGT OF SIDES -- ?

DIA OF CYL (MM) --- N/A

GND CLEARANCE (MM) 356

GND PRESS (KG/CM2) 0.013

PINTLE HGT (MM) --- ?

PERFORMANCE:

MAX GRADIENT (PCT)-

-EMPTY ----- 60
 -LOADED ----- 60

TURNING RADIUS (MM) --- 5500

FORDING DEPTH (MM) ---- 1220

FUEL CONS

-SNOW-LOADED (L/100KM)?
 -WATER-LOADED (L/HR) N/A

CRUISING RANGE (KM)-

-SNOW-LOADED ----- ?
 -WATER-LOADED ----- N/A

MAX SPEED (KM/HR)-

-ON SNOW ----- 22.5
 -IN WATER ----- N/A

TRENCH CROSSING ABILITY ?

VERT OBSTACLE ABILITY - ?

REMARKS:

ENGINE:

MODEL ----- FORD (CANADIAN) 3900 CC
 TYPE ----- ?
 MAX HP AT RPM ----- ?
 LOCATION ----- FRONT
 FUEL ----- ?
 COOLING SYS-TYPE ----- LIQUID
 FDM NR ----- N/A

GENERAL DATA:

FUEL CAP (LITERS)-

-MAIN TANK ----- 61
 -AUX TANK ----- N/A
 BRAKES-PRIMARY TYPE -- TRUE STOP ON DRIVE LINE

SUSPENSION SYSTEM-

TYPE ----- COIL SPRINGS TORSION BARS

ROAD WHEELS (NR) ---- 4 ON EACH SIDE

-DIAMETER (MM) ----- ?

SUPPORT ROLLERS (NR) - NONE

TRACK TYPE ----- 4 PLY NYLON

TIRES ----- 6.00 X 16-8 PLY

-SIZE ----- 6.00 X 16

-NUMBER ----- 8

TRANSMISSION-TYPE --- MANUAL

NR SPEEDS-

-FWD ----- 4
 -RVRS ----- 1

ELECTRICAL SYSTEM --- 24V (TWO 12V BATTERIES)

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2353-38-1-13-8

NOMEN: SNOW VEHICLE CARRIER TRACKED S-100 (FOREMOST)

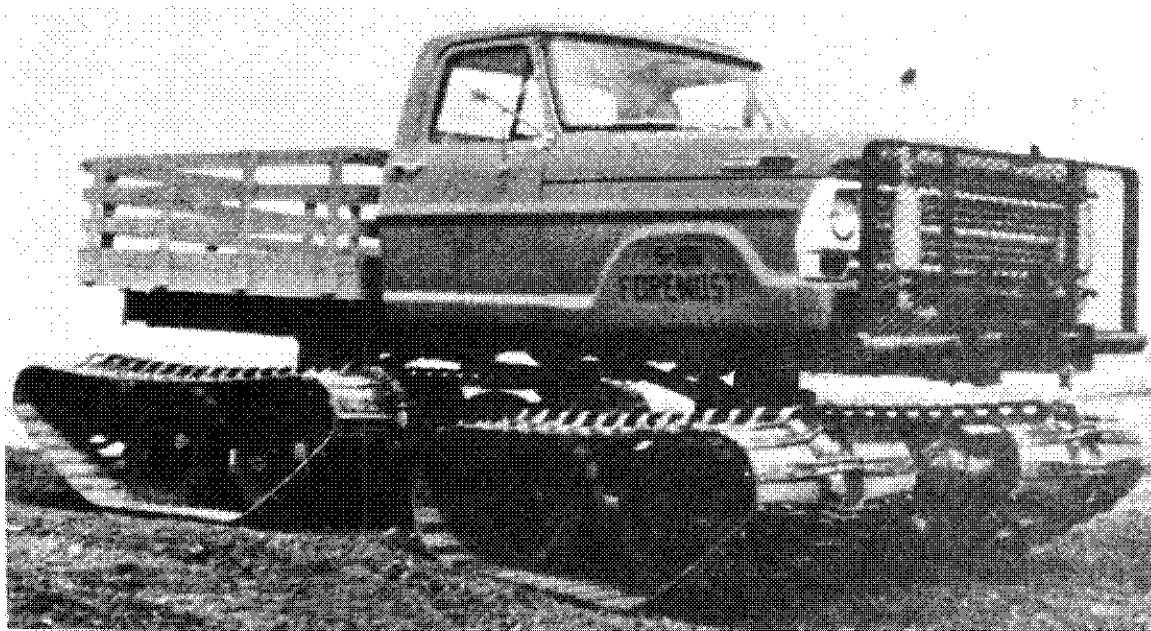
PRODUCED/ADOPTED: 1968-DATE/

CATALOG: T8-381-5-22

IOLD 38-2353-1-13)

COUNTRY: CANADA

DATE UPDATED: 30AUG73



DATE CATALOGED: 01AUG72
VOLUME 22, PAGE 1135

U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2353-38-1-13-B
NOMEN: SNOW VEHICLE CARRIER TRACKED S-100 (FOREMOST)
PRODUCED/ADOPTED: 1968-DATE/

CATALOG: TB-381-5-22
IOLG 38-2353-1-13)
COUNTRY: CANADA
DATE UPDATED: 30AUG73

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DATE CATALOGED: 01AUG72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2354-2-2-7-A

CATALOG: TB-381-5-22

NOMEN: TRACKED TRANSPORTER GT-SM/GAZ-71

(OLD 2-2354-2-7)

NATIVE DES: GUSENICHNOGO, TRANSPORTERA GAZ-71
PRODUCED/ADOPTED: 1970 TO DATE

COUNTRY: U.S.S.R.
DATE UPDATED: 06AUG73

(U)THE GAZ-71, ORIGINALLY DESIGNATED THE GT-SM, WAS DESIGNED AND IS PRODUCED BY THE GOR'KIY AUTOMOTIVE PLANT FOR USE IN THE NORTHERN REGIONS OF THE USSR. IT IS PROBABLY A PRODUCT IMPROVEMENT OF AND A REPLACEMENT FOR THE GT-S/GAZ-47 TRACKED TRANSPORTER. THE GAZ-71 IS AMPHIBIOUS, UTILIZES ITS TRACKS FOR WATER PROPULSION, AND HAS A PAYLOAD CAPACITY OF 2200 POUNDS OR 10 PERSONNEL. IT IS POWERED BY A 115 HORSEPOWER, V-8 GASOLINE ENGINE MOUNTED LONGITUDINALLY AMIDSHIPS BETWEEN THE DRIVER'S COMPARTMENT AND THE CARGO OR PASSENGER AREA. A UNIQUE FEATURE OF THE VEHICLE IS THE LOCATION THE FUEL TANKS. THEY ARE POSITIONED ON THE REAR EXTERIOR OF THE VEHICLE ABOVE THE TRACKS. THIS IS THE FIRST KNOWN EFFORT BY THE SOVIETS TO LOCATE ALL FUEL ON THE EXTERIOR OF A PERSONNEL-CARRYING VEHICLES.

DATE CATALOGED: 01AUG72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2354-2-2-7-A

NOMEN: TRACKED TRANSPORTER GT-SM/GAZ-71

CATALOG: TR-381-9-22

(OLD 2-2354-2-7)

COUNTRY: U.S.S.R.

DATE UPDATED: 06AUG73

PRODUCED/ADAPTED: 1970 TO DATE

CURRENT STATUS: ----- STANDARD ?

PHYSICAL DATA:

WEIGHT (KG)-

-CURG ----- 3750

-GROSS-LAND ----- 4750

-GROSS-WATER ----- ?

LENGTH O/ALL (MM) ----- 5365

WIDTH (MM)-

-O/ALL ----- 2582

-C TO C OF TRACK ----- 2180

-TRACK ----- 380

HEIGHT-O/ALL (MM) -

-CAB ----- 1740

-BOWS ----- ?

GROUND CLEARANCE (MM) ----- 380

LG OF GND CONTACT (MM) ----- 3630

GROUND PRESSURE ----- .17 KG/CM SQ

ENGINE:

MODEL ----- GAZ-71

TYPE ----- V 8 GASOLINE, 4 CYCLE

LOCATION ----- AMIDSHIPS

MAX HP AT RPM ----- 115 AT 3200

COOLING SYSTEM-TYPE ----- LIQUID

TRANSMISSION:

TYPE ----- MANUAL (3RD AND 4TH

- GEAR SYNCHRONIZED)

NR SPEEDS-

-FWD ----- 4

-RVRS ----- 1

SUSPENSION SYSTEM:

TYPE ----- TORSION BAR

ROAD WHEELS-

-NUMBER ----- 12

-DIAMETER (MM) ----- 700

SUPPORT ROLLERS-NR ----- NONE

TRACK-TYPE ----- STEEL, SINGLE DRY PIN

REMARKS:

1/ BAND TYPE, COPPER ASBESTOS LINING

2/ 5.9 (TRACK PROPULSION)

3/ TURNING RADIUS 2190

GENERAL DATA:

CREW-NR ----- 2

PERSONNEL LOAD ----- 10

PAYLOAD (KG)-

-LAND ----- 1000

-WATER ----- ?

VOLTAGE ----- 12

FUEL CAP (LITERS) ----- 310

PRIMARY BRAKES-TYPE ----- *1

PERFORMANCE:

MAX SPEED (KM/HR)-

-ROAD ----- 50

-WATER ----- *2

MAX GRADEABILITY (PCT)-

-EMPTY ----- 70%

-LOADED ----- ?

TRENCH-CROSSING ABILITY- ?

VERT-OBSTACLE ABILITY -- ?

FUEL CONS

-ROAD (L/100KM) ----- ?

-WATER (L/HR) ----- ?

CRUISING RANGE (KM)-

-ROAD ----- 400

-WATER ----- ?

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U N C L A S S I F I E D

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FOM-2354-2-2-7-B

NOMEN: TRACKED TRANSPORTER GT-SM/GAZ-71

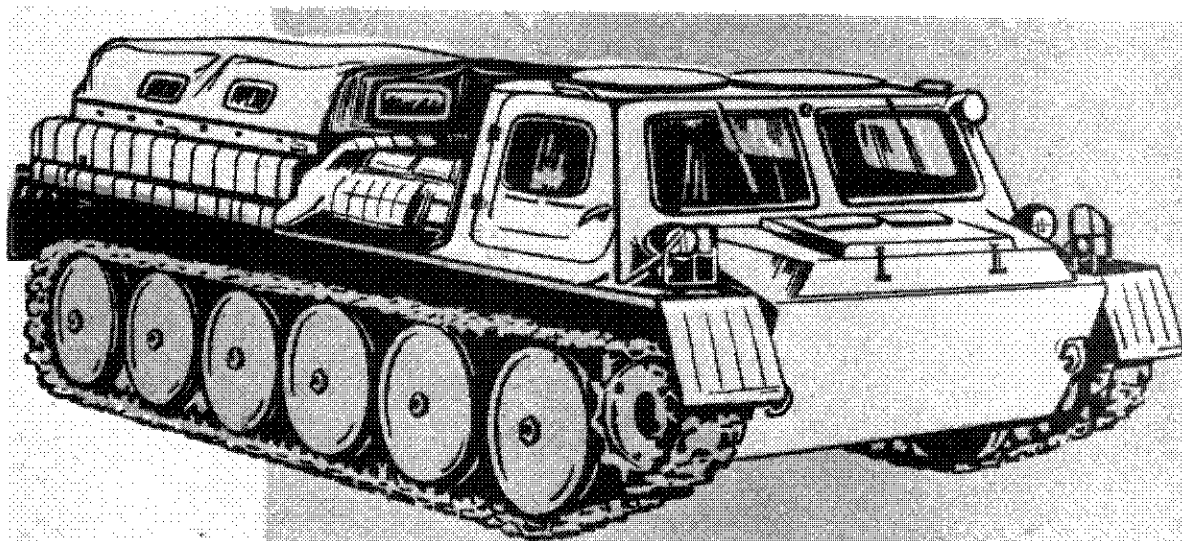
PRODUCED/ADOPTED: 1970 TO DATE

CATALOG: TB-381-5-22

(OLD 2-2354-2-7)

COUNTRY: U.S.S.R.

DATE UPDATED: 06AUG73



DATE CATALOGED: 01AUG72
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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2354-2-2-7-8

NOMEN: TRACKED TRANSPORTER GT-SM/GAZ-71

PRODUCED/ADOPTED: 1970 TO DATE

CATALOG: TB-381-5-22

(OLD 2-2354-2-7)

COUNTRY: U.S.S.R.

DATE UPDATED: 06AUG73

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U N C L A S S I F I E D

U N C L A S S I F I E D

FOM-2354-23-1-1-A

CATALOG: 16-381-5-22

NOMEN: TRUCK, AMPHIBIOUS, 2 TON, 4 X 4, FIAT 6610

(OLD 23-2354-1-11)

NATIVE DES: AUTOCARRO TATTICO ANFIBIO 6610

COUNTRY: ITALY

PRODUCED/ADOPTED: PROTOTYPE/

DATE UPDATED: 30AUG73

(U) THIS TRUCK IS ONE OF A SERIES OF MACHINES DEFINED BY NATO AS "SUPPORT VEHICLES". THIS AMPHIBIAN IS A CLASS B VEHICLE OF 2-METRIC TON CARGO CAPACITY, CONFIGURED TO CARRY BOTH CARGO AND PERSONNEL. ITS MULTIFUEL ENGINE IS DESIGNED TO UTILIZE THE COMPLETE RANGES OF MILITARY FUELS. PROPULSION IN WATER IS ATTAINED BY MEANS OF A SWIVELING PROPELLER. THE TIRES HAVE A STANDARD INFLATION PRESSURE FOR NORMAL HIGHWAY OPERATION, WHICH CAN BE REDUCED FOR OFF-ROAD OPERATION. EACH WHEEL HAS AN INDIVIDUAL SUSPENSION SYSTEM CONSISTING OF A COIL SPRING WITH A COAXIALLY LOCATED RUBBER SNUBBER. TWO HYDRAULIC SHOCK ABSORBERS ARE FITTED TO EACH SUSPENSION SYSTEM.

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U N C L A S S I F I E D

U N C L A S S I F I E D

FORM-2354-23-1-1-A
NOMEN: TRUCK, AMPHIBIOUS, 2 TON, 4 X 4, FIAT 6610

CATALOG: TB-381-5-22
(OLD 23-2354-1-1)
COUNTRY: ITALY
DATE UPDATED: 30AUG73

PRODUCED/ADOPTED: PROTOTYPE/

PHYSICAL DATA:

WEIGHT (KG)-
-CURB ----- 3000
-PAYLOAD OFF HWY ----- ?
-PAYLOAD ON HWY ----- 2000
-PAYLOAD, WATER ----- N/A
-GROSS OFF HWY ----- ?
-GROSS ON HWY ----- 5000
-GROSS, WATER ----- N/A
AXLE LOAD (KG)-
-EMPTY FRONT ----- ?
-EMPTY REAR ----- ?
-LOADED FRONT OFF HWY - ?
-LOADED REAR OFF HWY - ?
-LOADED FRONT ON HWY - 2500
-LOADED REAR ON HWY - 2500
PERSONNEL LOAD (NR) ----- 12
MAX TOWED LOAD (KG)-
-OFF HWY ----- ?
-ON HWY ----- ?
MAX SEMITRAILER (KG)-
-GROSS ----- N/A

VEHICLE DIMENSIONS (MM):

LENGTH O/ALL ----- 4800
WIDTH O/ALL ----- 2470
HEIGHT O/ALL ----- 2600
CARGO SPACE-
-LENGTH ----- 3000
-WIDTH ----- 2000
-HGT OF SIDES ----- ?
TREAD, C TO C-
-FRONT ----- 1980
-REAR ----- 1985
WHEELBASE ----- 2600
GROUND CLEARANCE ----- 380
PINTLE HEIGHT ----- ?
HGT TO C OF 5TH WHL --- N/A

PERFORMANCE:

MAX GRADIENT LOADED (PCT) -- 60%
TURNING RADIUS (MM) ----- 6800
FORDING DEPTH (MM) ----- AMPHIBIOUS
FUEL CONS, LOADED -
-ROAD (L/100KM) ----- ?
-WATER (L/HR) ----- ?
CRUISING RANGE (KM) LOADED -
-ROAD ----- 800
-WATER ----- ?
MAX SPEED (KM/HR) LOADED -
-ROAD ----- 80
-WATER ----- 8
ANGLE OF APPROACH (DEG) --- 50 DEG
ANGLE OF DEPARTURE (DEG) --- 50 DEG
VERTICAL OBSTACLE (MM) ----- ?
TRENCH CROSSING ABILITY(MM) ?

REMARKS:

ENGINE:

MODEL ----- FIAT
TYPE ----- 4 CYL, 4 STROKE
MAX HP AT RPM ----- 100 AT 3200
MAX TORQUE (KGM) ----- 26 AT 1600
FUEL TYPE ----- MULTIFUEL (ALL NATO FUELS)
COOLING SYSTEM-TYPE - LIQUID
BORE (MM) ----- ?
STROKE (MM) ----- ?
DISPLACEMENT (LITERS) 3.119

FORM NR ----- N/A

GENERAL DATA:

TIRES-
-SIZE ----- 16.00 X 20
-PLY ----- ?
-TYPE ----- ?
-LOADED RADIUS (MM) - ?
-INFLATION SYSTEM --- ?
FUEL CAP (LITERS)-
-MAIN TANK ----- ?
-AUX TANK ----- ?
BRAKES-
-PRIMARY TYPE ----- HYDRAULIC
-PARKING TYPE ----- MECHANICAL
SUSPENSION SYSTEM-
-FRONT ----- INDEPENDENT COIL SPRINGS
-REAR ----- INDEPENDENT COIL SPRINGS
TRANSMISSION-
-TYPE ----- MANUAL
-NR SPEEDS FWD/RVSE - 5/1
TRANSFER, NR SPEEDS --- 2
LOCKING DIFFERENTIAL-
-MANUAL ----- ?
-AUTOMATIC ----- ?
ELEC SYSTEM (VOLTS) --- 24 (TWO 12-V BATTERIES)
WINCH-TYPE ----- ?
-CAPACITY (KG) ----- ?
-CABLE LENGTH (MM) -- ?

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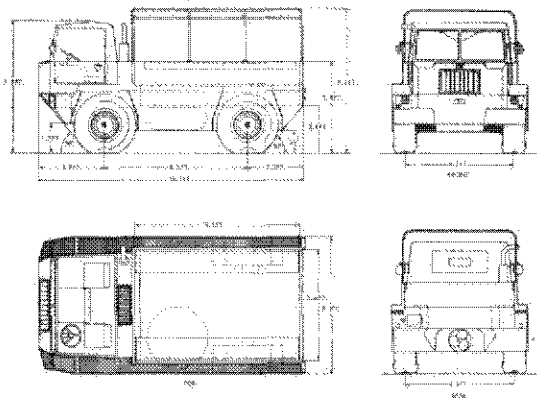
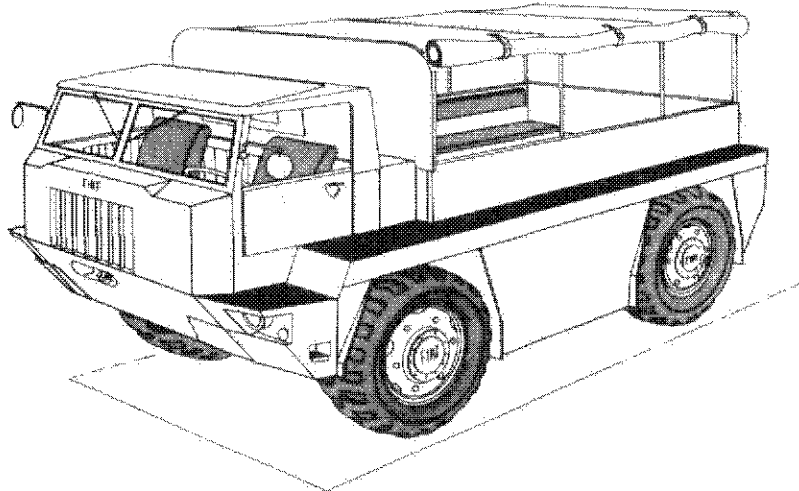
FOM-2354-23-1-1-8

NOMEN: TRUCK, AMPHIBIOUS, 2 TON, 4 X 4, FIAT 6610

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-301-5-22
(OLD 23-2354-1-1)
COUNTRY: ITALY
DATE UPDATED: 30AUG73

AMPHIBIOUS TRUCK FIAT 6610



DATE CATALOGED: 01AUG72
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U N C L A S S I F I E D

U N C L A S S I F I E D

COM-2354-23-1-1-B

NOMEN: TRUCK, AMPHIBIOUS, 2 TON, 4 X 4, FIAT 6610

PRODUCED/ADOPTED: PROTOTYPE/

CATALOG: TB-381-5-22
(OLD 23-2354-1-1)
COUNTRY: ITALY
DATE UPDATED: 30AUG73

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TB-381-5-22

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Chief of Staff

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The Adjutant General

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